INTERNATIONAL STANDARD

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Second edition
2018-09

Protective clothing for users of hand-held chainsaws —

Part 3: Test methods for footwear

Vêtements de protection pour utilisateurs de scies à chaîne tenues à la main —

Partie 3: Méthodes d'essai pour chaussures

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Foreword

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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).

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This document was prepared by the European Committee for Standardization (CEN) Technical Committee CEN/TC 162, *Protective clothing including hand and arm protection and lifejackets*, in collaboration with ISO Technical Committee TC 94, *Personal safety — Personal protective equipment*, Subcommittee SC 13, *Protective clothing*, in accordance with the agreement on technical cooperation between ISO and CEN (Vienna Agreement).

This second edition cancels and replaces the first edition (ISO 11393-3:1999), which has been technically revised. The main changes compared to the previous edition are as follows:

— in the Introduction, the term "hand-held chainsaws primarily constructed for cutting wood" has been added;

— the normative references have been updated;

— the term and definition 3.1 has been added;

— in Clause 4, the definition has been adapted to 6.2;

— in Clause 5, the definition and normative reference has been specified;

— in 6.1.2.2, 6.2.1, 6.2.2, 6.2.3, 6.2.4 and Clause 7, definitions have been specified;

— in 6.1.3, a new comprising procedure has been defined;

— in 6.2.1, the total number of cuts has been enlarged, "protection class" has been renamed as "level" and "class 0" has been deleted;

— in 6.2.4, an alternative system for fastening the footwear to the test rig has been added;

— in 6.2.5, the definition "non-steel" has been used following ISO 17249.

A list of all parts in the ISO 11393 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

This document forms part of a series concerned with personal protective equipment (PPE) designed to protect against the risks arising from the use of hand-held chainsaws primarily constructed for cutting wood.

No PPE can ensure a 100 % protection against cutting from a hand-held chainsaw. Nevertheless, experience has shown that it is possible to design PPE that offers a certain degree of protection.

Different functional principles may be applied in order to give protection. These include:

a) chain slipping: on contact the chain does not cut the material;

b) clogging: fibres are drawn by the chain into the drive sprocket and block chain movement;

c) chain braking: fibres have a high resistance to cutting and absorb rotational energy, thereby reducing the chain speed.

Often more than one principle is applied.