

# INTERNATIONAL STANDARD

# IEC 60900

Second edition  
2004-01

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**Live working –  
Hand tools for use up to 1 000 V a.c.  
and 1 500 V d.c.**

*This **English-language** version is derived from the original **bilingual** publication by leaving out all French-language pages. Missing page numbers correspond to the French-language pages.*



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### **LIVE WORKING – HAND TOOLS FOR USE UP TO 1 000 V AC AND 1 500 V DC**

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International Standard IEC 60900 has been prepared by IEC technical committee 78: Live working. This second edition

- cancels and replaces the first edition, published in 1987, and its two amendments published in 1995 and in 2002;
- adds requirements concerning interchangeable tools, where the used components are from different manufacturers;
- adds requirements and test values concerning insulating tools;
- includes bit-screwdrivers;
- includes screwdrivers with screw retaining devices;
- enlarges conditioning and test possibilities of the dielectric test;
- clarifies questions concerning quality assurance and
- includes the number of the standard with the year of publication (four digits) into the marking requirements.

The text of this standard is based on the following documents:

FDIS	Report on voting
78/547/FDIS	78/554/RVD

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

This publication has been drafted in accordance with the ISO/IEC Directives, Part 2.

The committee has decided that the contents of this publication will remain unchanged until 2008. At this date, the publication will be

- reconfirmed;
- withdrawn;
- replaced by a revised edition, or
- amended.

## INTRODUCTION

This International Standard has been prepared in accordance with the requirements of IEC 61477 where applicable.

## LIVE WORKING – HAND TOOLS FOR USE UP TO 1 000 V AC AND 1 500 V DC

### 1 Scope

This International Standard is applicable to insulated and insulating hand tools used for working live or close to live parts at nominal voltages up to 1 000 V a.c. and 1 500 V d.c.

### 2 Normative references

The following referenced documents are indispensable for the application 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.

IEC 60060-1:1989, *High-voltage test techniques – Part 1: General definitions and test requirements*

IEC 60212:1971, *Standard conditions for use prior to and during the testing of solid electrical insulating materials*

IEC 60417-DB:2002<sup>1</sup>, *Graphical symbol for use on equipment*

IEC 61318:2003 *Live working – Quality assurance plans applicable to tools, devices and equipments*

IEC 61477:2001, *Live working – Minimum requirements for the utilization of tools, devices and equipment*  
Amendment 1 (2002)<sup>2</sup>

ISO 1174-1:1996, *Assembly tools for screw and nuts – Driving squares – Part 1: Driving squares for hand socket tools*

ISO 9654:1989, *Pliers and nippers for electronics – Single-purpose nippers – Cutting nippers*

ISO 9655:1989, *Pliers and nippers for electronics – Single-purpose nippers – Pliers for gripping and manipulating*

ISO 9656:1989, *Pliers and nippers for electronics – Test methods*

ISO 9657:1989, *Pliers and nippers for electronics – General technical requirements*

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<sup>1</sup> "DB" refers to the IEC on-line database.

<sup>2</sup> There exists a consolidated edition 1.1 (2002) that includes edition 1 and its amendment.