

# INTERNATIONAL STANDARD

## NORME INTERNATIONALE

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**Live working – Methods for assessment of defects and verification of performance applicable to tools, devices and equipment**

**Travaux sous tension – Méthodes d'évaluation des défauts et vérification des performances applicables aux outils, dispositifs et équipement**





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## INTERNATIONAL ELECTROTECHNICAL COMMISSION

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**LIVE WORKING –  
METHODS FOR ASSESSMENT OF DEFECTS AND  
VERIFICATION OF PERFORMANCE APPLICABLE  
TO TOOLS, DEVICES AND EQUIPMENT****FOREWORD**

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International Standard IEC 61318 has been prepared by IEC technical committee 78: Live working

This fourth edition cancels and replaces the third edition published in 2007. This edition constitutes a technical revision.

This edition includes the following significant technical changes with respect to the previous edition:

- a) change of the purpose of the document from a prescriptive testing standard to a standard assisting the project team in the conformance to respective product standard;
- b) introduction of conformance test, record of process, quality control documentation, adapted to the standard product;
- c) change of prescribed sampling procedure to adapted *sampling tests* to the product standard;

- d) suppression of the term “conformity assessment”;
- e) Introduction of the term “verification method” replacing “conformity assessment application”.

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

FDIS	Report on voting
78/1339/FDIS	78/1353/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](http://www.iec.ch/members_experts/refdocs). The main document types developed by IEC are described in greater detail at [www.iec.ch/standardsdev/publications](http://www.iec.ch/standardsdev/publications).

In this document, the following characters are used:

- requirements: roman characters;
- terms defined in Clause 3: *italics*.

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- withdrawn,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

## INTRODUCTION

This document is applied by each IEC Live Working product standard for the purpose of assessing whether or not each product meets the requirements of the relevant product standard.

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# LIVE WORKING – METHODS FOR ASSESSMENT OF DEFECTS AND VERIFICATION OF PERFORMANCE APPLICABLE TO TOOLS, DEVICES AND EQUIPMENT

## 1 Scope

This document defines methods to assess defects and to verify that products after the manufacturer process meet the requirements of the corresponding product standard.

The principles of assessment of defects for live working products are detailed in this document to assist product standard developers in prescribing the best means to achieve suitable quality of every finished tool, device and piece of equipment.

The following elements are not covered by the present document, but are included in each product standard:

- *type tests*;
- provisions and description for *routine, sampling and acceptance tests*;
- identification and classification of defects;
- *risk analysis*.

This document does not cover conformity assessment of commercial shipments or certifications.

## 2 Normative references

There are no normative referenced documents.

## 3 Terms and definitions

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

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

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

### 3.1 Acceptance test

Contractual test to prove to the customer that the item meets certain conditions of its specification

[SOURCE: IEC 60050-151:2001, 151-16-23, modified – The main term "hand-over test" has been deleted.]