



SLOVENSKI STANDARD SIST EN IEC 61318:2021

01-november-2021

Nadomešča:
SIST EN 61318:2008

Delo pod napetostjo - Metode za ocenjevanje okvar in preverjanje delovne sposobnosti orodja, naprav in opreme

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

Arbeiten unter Spannung - Maßnahmen zur Bewertung von Fehlern und zum Nachweis von Betriebseigenschaften für Werkzeuge, Geräte und Ausrüstungen

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

Ta slovenski standard je istoveten z: EN IEC 61318:2021

ICS:

13.260 Varstvo pred električnim udarom. Delo pod napetostjo Protection against electric shock. Live working

SIST EN IEC 61318:2021

en

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EN IEC 61318

NORME EUROPÉENNE

EUROPÄISCHE NORM

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English Version

Live working - Methods for assessment of defects and
verification of performance applicable to tools, devices and
equipment
(IEC 61318:2021)

Travaux sous tension - Méthodes d'évaluation des défauts
et vérification des performances applicables aux outils,
dispositifs et équipement
(IEC 61318:2021)

Arbeiten unter Spannung - Maßnahmen zur Bewertung von
Fehlern und zum Nachweis von Betriebseigenschaften für
Werkzeuge, Geräte und Ausrüstungen
(IEC 61318:2021)

This European Standard was approved by CENELEC on 2021-08-03. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

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European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

EN IEC 61318:2021 (E)**European foreword**

The text of document 78/1339/FDIS, future edition 4 of IEC 61318, prepared by IEC/TC 78 “Live working” was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 61318:2021.

The following dates are fixed:

- latest date by which the document has to be implemented at national (dop) 2022-05-03 level by publication of an identical national standard or by endorsement
- latest date by which the national standards conflicting with the (dow) 2024-08-03 document have to be withdrawn

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The text of the International Standard IEC 61318:2021 was approved by CENELEC as a European Standard without any modification.

[SIST EN IEC 61318:2021](#)

In the official version, for Bibliography, the following notes have to be added for the standards indicated:

IEC 61481-2:2014 NOTE Harmonized as EN 61481-2:2014 (not modified)

ISO 9000:2015 NOTE Harmonized as EN ISO 9000:2015 (not modified)

ISO 16426:2002 NOTE Harmonized as EN ISO 16426:2002 (not modified)



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INTERNATIONAL STANDARD

NORME INTERNATIONALE

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

**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. The main document types developed by IEC are described in greater detail at www.iec.ch/standardsdev/publications.

In this document, the following characters are used:

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

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, <https://standards.iteh.ai/catalog/standards/sist/9fd12b49-1c17-4a97-b99e-e58167b0463c/sist-en-iec-61318-2021>
- 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.

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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.]

3.2**critical defect**

any defect where judgement and experience indicate that it is likely to result in hazardous or unsafe conditions for individuals using or depending on the product

3.3**harm**

physical injury or damage to the health of people, or damage to property or the environment

[SOURCE: ISO IEC Guide 51:2014, 3.1, modified – Addition of "physical".]

3.4**hazard**

potential source of *harm*

Note 1 to entry: The term *hazard* can be qualified in order to define its origin or the nature of the expected *harm* (e.g. electric shock *hazard*, electric arc *hazard*, crushing *hazard*, cutting *hazard*, toxic *hazard*, fire *hazard*, drowning *hazard*).

[SOURCE ISO IEC Guide 51:2014, 3.2, modified – Addition of Note 1 to entry.]

3.5**major defect**

defect of product, other than critical, that is likely to result in failure, or to reduce significantly the functionality of the product

3.6**minor defect**

defect of product that is not likely to reduce significantly the functionality of the product

3.7**non-conformance**

non-fulfilment of a requirement

[SOURCE: ISO 16426:2002, 3.15]

3.8**risk**

combination of the probability of occurrence of *harm* and the severity of that *harm*

[SOURCE: ISO IEC Guide 51:2014, 3.9, modified – The note 1 to entry was deleted.]

3.9**risk analysis**

systematic use of available information to identify *hazards* and to estimate the *risk*

[SOURCE: ISO IEC Guide 51:2014, 3.10]

3.10**routine test**

test made on each individual item during or after manufacture

[SOURCE: IEC 60050-151:2001, 151-16-17, modified – the term “conformity” was deleted]