



**SLOVENSKI STANDARD**  
**SIST IEC 60050-741:2024**

**01-april-2024**

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**Mednarodni elektrotehniški slovar - 741. del: Internet stvari**

International Electrotechnical Vocabulary (IEV) – Part 741: Internet of Things (IoT)

Vocabulaire Electrotechnique International (IEV) - Partie 741: Internet des Objets (IdO)

**Ta slovenski standard je istoveten z: IEC 60050-741:2020**

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**ICS:**

01.040.35 Informacijska tehnologija. (Slovarji) Information technology (Vocabularies)  
35.240.95 Spletne uporabniške rešitve Internet applications

**SIST IEC 60050-741:2024**

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# INTERNATIONAL STANDARD

# NORME INTERNATIONALE

HORIZONTAL STANDARD  
NORME HORIZONTALE

**International Electrotechnical Vocabulary (IEV) – Part 741: Internet of Things  
(IoT)**

**Vocabulaire Electrotechnique International (IEV) – Partie 741: Internet des Objets  
(IdO)**

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INTERNATIONAL  
ELECTROTECHNICAL  
COMMISSION

COMMISSION  
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## Part 741: Internet of Things (IoT)

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International Standard IEC 60050-741 was prepared by IEC technical committee 1: Terminology.

This first edition comprises terminology formerly published in ISO/IEC 20924:2018 (together with a few entries from other sources that define certain technical terms appearing in definitions), and reviewed by subcommittee 41: Internet of things and related technologies, of ISO/IEC joint technical committee 1: Information technology, and IEC technical committee 1: Terminology, as change request C00055 for inclusion in the *International Electrotechnical Vocabulary (IEV)*.

This publication was developed in accordance with the ISO/IEC Directives, Part 1, IEC Supplement, Annexes SK and SL, and was approved by the validation team of IEC technical committee 1: Terminology, under the normal database procedure.

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A list of all parts of the IEC 60050 series, published under the general title *International Electrotechnical Vocabulary* can be found on the IEC website and is available at [www.electropedia.org](http://www.electropedia.org).

All parts of the IEC 60050 series have the status of a horizontal standard in accordance with IEC Guide 108.

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## COMMISSION ÉLECTROTECHNIQUE INTERNATIONALE

## VOCABULAIRE ÉLECTROTECHNIQUE INTERNATIONAL (IEV) –

## Partie 741: Internet des Objets (IdO)

## AVANT-PROPOS

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La Norme internationale IEC 60050-741 a été établie par le comité d'études 1 de l'IEC: Terminologie.

Cette première édition comprend la terminologie publiée auparavant dans ISO/IEC 20924:2018 (ainsi que quelques articles, provenant de sources annexes, qui définissent certains termes techniques présents dans les définitions), et a été passée en revue par le sous-comité d'études 41: Internet des objets et technologies connexes, du comité technique conjoint 1 de l'ISO/IEC: Technologies de l'information, et le comité d'études 1 de l'IEC: Terminologie, en tant que "change request" C00055 pour inclusion dans le *Vocabulaire Electrotechnique International (IEV)*.

Cette publication a été développée en conformité avec les Annexes SK et SL du Supplément IEC aux Directives ISO/IEC, Partie 1, et a été approuvée par l'équipe de validation du comité d'études 1 de l'IEC: Terminologie, selon la procédure base de données "normale".



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Une liste de toutes les parties de la série IEC 60050, publiée sous le titre général *Vocabulaire Electrotechnique International*, peut être consultée sur le site web de l'IEC et est disponible à l'adresse [www.electropedia.org](http://www.electropedia.org).

Toutes les parties de la série IEC 60050 ont le statut d'une norme horizontale conformément au Guide IEC 108.

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## INTRODUCTION

### Principles and rules followed

#### General

The IEV (IEC 60050, *International Electrotechnical Vocabulary*) is a general purpose multilingual vocabulary covering the field of electrotechnology, electronics and telecommunication (available at [www.electropedia.org](http://www.electropedia.org)). It comprises about 22 000 *terminological entries*, each corresponding to a *concept*. These terminological entries are distributed among about 90 *parts*, each part corresponding to a given field.

#### EXAMPLE

**Part 161** (IEC 60050-161): Electromagnetic compatibility

**Part 411** (IEC 60050-411): Rotating machines

The terminological entries follow a hierarchical classification scheme part/section/concept; within the sections, the terminological entries are organized in a systematic order.

The terms and definitions (and possibly non-verbal representations, examples, notes to entry and sources) in the entries are given in two or more of the three IEC languages, that is to say French, English and Russian (*principal IEV languages*).

In each terminological entry, the terms alone are also given in several of the additional IEV languages [Arabic (ar), Czech (cs), German (de), Spanish (es), Finnish (fi), Italian (it), Japanese (ja), Korean (ko), Norwegian [Bokmål (nb) and Nynorsk (nn)], Polish (pl), Portuguese (pt), Slovenian (sl), Serbian (sr), Swedish (sv) and Chinese (zh)].

Information regarding the IEV and the drafting and presentation of the terminological entries is provided in the [IEC Supplement to the ISO/IEC Directives](#), Annex SK. The following constitutes a summary of these rules.

[SIST IEC 60050-741:2024](https://sist.iec.ch/iec/60050-741-2024)

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#### Organization of a terminological entry

Each of the terminological entries corresponds to a concept, and comprises:

- an *IEV number*,
- possibly a *letter symbol for the quantity or unit*,

then, for the principal IEV languages present in the part:

- the term designating the concept, called "*preferred term*", possibly accompanied by *synonyms* and *abbreviations*,
- the *definition* of the concept,
- possibly *non-verbal representations*, *examples* and *notes to entry*,
- possibly the *source*,

and finally, for the additional IEV languages, the terms alone.

## IEV number

The IEV number is comprised of three elements, separated by hyphens:

part number: 3 digits,

section number: 2 digits,

entry number: sequence of decimal digits in which leading zeroes are permissible but redundant (e.g. 1 to 113, 01 to 99, 001 to 127).

EXAMPLE **845-27-003**

## Letter symbols for quantities and units

These symbols, which are language independent, are given on a separate line following the IEV number.

EXAMPLE

**131-12-04**

*R*

**resistance**

## Preferred term and synonyms

The preferred term is the term that heads a terminological entry in a given language; it can be followed by synonyms. It is printed in boldface.

*Synonyms:*

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The synonyms are printed on separate lines under the preferred term: preferred synonyms are printed in boldface, admitted and and deprecated synonyms are printed in lightface. Deprecated synonyms are prefixed by the text "DEPRECATED:".

*Absence of an appropriate term:*

When no appropriate term exists in a given language, the preferred term is replaced by five dots, as follows:

" ..... " (and there are of course no synonyms).

## Attributes

Each term (and synonym) can be followed by attributes giving additional information, and printed in lightface on the same line as the corresponding term, following this term.

EXAMPLE

*specific use of the term:*

**transmission line**, <in electric power systems>

*national variant:*

**lift**, GB

*grammatical information:*

**quantize**, verb

**transient**, noun

**AC**, adj

### Source

In some cases, it has been necessary to include in an IEV part a concept taken from another IEV part, or from another authoritative terminology document (ISO/IEC Guide 99, ISO/IEC 2382, etc.), either with or without modification to the definition (and possibly to the term).

This is indicated by the mention of this source, printed in lightface, and placed at the end of the terminological entry in each of the principal IEV languages present.

EXAMPLE SOURCE: IEC 60050-131:2002, 131-03-13, modified

### Terms in additional IEV languages

These terms are placed following the terminological entries in the principal IEV languages, on separate lines (a single line for each language), preceded by the alpha-2 code for the language defined in ISO 639-1, and in the alphabetic order of this code.

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