

## საქართველოს სტანდარტი

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სსკ: 25.040.40;25.240.50

პროგრამირებადი კონტროლერები - ნაწილი 5: კომუნიკაციები  
(იეკ 61131-5:2000)

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# სსტ ენ 61131-5:2001/2021

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1 მიღებულია და დაშვებულია სამოქმედოდ: სსიპ-საქართველოს სტანდარტებისა და მეტროლოგიის ეროვნული სააგენტოს გენერალური დირექტორის 01/11/2021 წლის № 64 განკარგულებით

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4 რეგისტრირებულია: სსიპ-საქართველოს სტანდარტებისა და მეტროლოგიის ეროვნული სააგენტოს რეესტრში: 01/11/2021 წლის №268-1.3-021461

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EUROPEAN STANDARD

**EN 61131-5**

NORME EUROPÉENNE

EUROPÄISCHE NORM

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ICS 25.040.40;25.240.50

English version

**Programmable controllers**  
**Part 5: Communications**  
(IEC 61131-5:2000)

Contrôleurs programmables  
Partie 5: Communications  
(CEI 61131-5:2000)

Speicherprogrammierbare Steuerungen  
Teil 5: Kommunikation  
(IEC 61131-5:2000)

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

**Central Secretariat: rue de Stassart 35, B - 1050 Brussels**

## Foreword

The text of document 65B/411/FDIS, future edition 1 of IEC 61131-5, prepared by SC 65B, Devices, of IEC TC 65, Industrial-process measurement and control, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 61131-5 on 2001-01-01.

The following dates were fixed:

- latest date by which the EN has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2001-10-01
- latest date by which the national standards conflicting with the EN have to be withdrawn (dow) 2004-01-01

This part is to be read in conjunction with the other parts of EN 61131.

Annexes designated "normative" are part of the body of the standard. In this standard, annexes A, B and ZA are normative. Annex ZA has been added by CENELEC.

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## Endorsement notice

The text of the International Standard IEC 61131-5:2000 was approved by CENELEC as a European Standard without any modification.

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**Annex ZA**  
(normative)

**Normative references to international publications  
with their corresponding European publications**

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies (including amendments).

NOTE When an international publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60050-351	1998	International Electrotechnical Vocabulary Part 351: Automatic control	-	-
IEC 61131-1	1992	Programmable controllers Part 1: General information	EN 61131-1	1994
IEC 61131-2	1992	Part 2: Equipment requirements and tests	EN 61131-2 + corr. December + A11 + corr. December + A12	1994 1997 1996 1997 2000
IEC 61131-3	1993	Part 3: Programming languages	EN 61131-3	1993
ISO/IEC 2382-1	1993	Information technology - Vocabulary Part 1: Fundamental terms	-	-
ISO/IEC 9506-1	1990	Industrial automation systems - Manufacturing message specification Part 1: Service definition	EN 29506-1	1993
ISO/IEC 9506-2	1990	Part 2: Protocol specification	EN 29506-2	1993

# INTERNATIONAL STANDARD

**IEC**  
**61131-5**

First edition  
2000-11

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## **Programmable controllers –**

### **Part 5: Communications**

*Automates programmables –*

*Partie 5:  
Communications*



Reference number  
IEC 61131-5:2000(E)

## Publication numbering

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# INTERNATIONAL STANDARD

# IEC 61131-5

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2000-11

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## Programmable controllers –

### Part 5: Communications

*Automates programmables –*

*Partie 5:  
Communications*

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# INTERNATIONAL ELECTROTECHNICAL COMMISSION

## PROGRAMMABLE CONTROLLERS –

### Part 5: Communications

#### FOREWORD

- 1) The IEC (International Electrotechnical Commission) is a worldwide organization for standardization comprising all national electrotechnical committees (IEC National Committees). The object of the IEC is to promote international co-operation on all questions concerning standardization in the electrical and electronic fields. To this end and in addition to other activities, the IEC publishes International Standards. Their preparation is entrusted to technical committees; any IEC National Committee interested in the subject dealt with may participate in this preparatory work. International, governmental and non-governmental organizations liaising with the IEC also participate in this preparation. The IEC collaborates closely with the International Organization for Standardization (ISO) in accordance with conditions determined by agreement between the two organizations.
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International Standard IEC 61131-5 has been prepared by subcommittee 65B: Devices, of IEC technical committee 65: Industrial-process measurement and control.

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

FDIS	Report on voting
65B/411/FDIS	65B/420/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 3.

This part should be read in conjunction with the other parts of IEC 61131. IEC 61131 consists of the following parts under the general title: *Programmable controllers*.

Part 1:1992, General information.

Part 2:1992, Equipment requirements and tests.

Part 3:1993, Programming languages.

Part 4:1994, User guidelines (published as technical report IEC TR 61131-4)

Part 5:2000, Communications

Part 8:2000, Guidelines for the application and implementation of programming languages (published as technical report IEC TR 61131-8)

საინფორმაციო ნაწილი. სრული ტექსტის სახსრავად შეიძინეთ სტანდარტი.

Annexes A and B form an integral part of this standard.

Annex C is for information only.

Where a conflict exists between this and other IEC standards (except basic safety standards), the provisions of this standard should be considered to govern in the area of programmable controllers and their associated peripherals.

The committee has decided that the contents of this publication will remain unchanged until 2006. At this date, the publication will be

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

A bilingual version of this standard may be issued at a later date.