

**SLOVENSKI  
STANDARD**

**SIST EN 61131-  
2:1998/A11:1998**

prva izdaja  
september 1998

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Programmable controllers - Part 2: Equipment requirements and tests - Amendment  
A11

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ICS 25.040.40; 35.240.50

Referenčna številka  
SIST EN 61131-2:1998/A11:1998(en)

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English version

**Programmable controllers**  
**Part 2: Equipment requirements and tests**

Automates programmables  
Partie 2: Spécifications et  
essais des équipements

Speicherprogrammierbare Steuerungen  
Teil 2: Betriebsmittelanforderungen und  
Prüfungen

This amendment A11 modifies the European Standard EN 61131-2:1994; it was approved by CENELEC on 1995-11-28. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this amendment the status of a national standard without any alteration.

Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CENELEC member.

This amendment exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CENELEC member into its own language and notified to the Central Secretariat has the same status as the official versions.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

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**CENELEC**

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

This amendment was prepared by CENELEC Reporting Secretariat SR 65B.

The text of the draft was submitted to the formal vote and was approved by CENELEC as amendment A11 to EN 61131-2:1994 on 1995-11-28.

The following dates were fixed:

- latest date by which the amendment has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 1996-12-01
- latest date by which the national standards conflicting with the amendment have to be withdrawn (dow) 1996-12-01

For products which have complied with EN 61131-2:1994 before 1996-12-01, as shown by the manufacturer or by a certification body, this previous standard may continue to apply for production until 2001-12-01.

## 1 General

### 1.3 Add a second paragraph:

Concerning the electromagnetic compatibility, only the immunity aspect is covered in this part 2.

- 1.5 Replace "IEC 255-4:1976" by "IEC 1000-4-12:1995" with the correct title.  
Replace "IEC 801-2:1991" by "IEC 1000-4-2:1995" with the correct title.  
Replace "IEC 801-3:1984" by "IEC 1000-4-3:1995" with the correct title.  
Replace "IEC 801-4:1988" by "IEC 1000-4-4:1995" with the correct title.  
Delete the reference to IEC 801-5.

## 2 Service conditions and physical environment related requirements

- 2.1.2.2 Replace in the third paragraph "IEC 801-2" by "IEC 1000-4-2".

- Table 3 In the first column, add "(air discharge)" after "ESD severity levels"  
In the second column, replace "IEC 801-2" by "IEC 1000-4-2".

## 3 Electrical requirements

- 3.9 Replace the title of this subclause by: "Noise immunity".
- 3.9.1 Replace in note 2 "IEC 801" by "IEC 1000-4".



Table 16 In the first column, add "(air discharge)" after "Electrostatic discharge".

In the second column, replace "150 pF/150  $\Omega$ " by "150 pF/330  $\Omega$ " or delete completely the column "Maximum surge energy - Minimum source impedance".

Replace the text of note 5 by: "Revision of these requirements is under consideration in order to take IEC 1000-4-5 into account."

3.9.3 Delete this subclause.

## 6 Tests and verifications

Table 43 In the second column, replace "IEC 801-2" by "IEC 1000-4-2".  
Replace "8 kV" by "8 kV (air discharge)".  
Replace "15 kV" by "15 kV (air discharge)".

Table 44 In the second column, replace "IEC 801-3" by "IEC 1000-4-3".  
Replace "27 MHz to 500 MHz" by "26 MHz to 1 GHz (with 80 % AM modulation)".

Table 45 In the second column, replace "IEC 801-4" by "IEC 1000-4-4".

Table 46 In the second column, replace "IEC 255-4" by "IEC 1000-4-12".

## Annex C (informative)

Table C.1 In the first column, add "(air discharge)" after "Electrostatic discharge".

In the second column, replace "150 pF/150  $\Omega$ " by "150 pF/330  $\Omega$ " or delete completely the column "Maximum surge energy - Minimum source impedance".

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**Annex ZA (normative)**

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

Delete the reference to IEC 801-5.

Replace the references to IEC 255-4:1976, IEC 801-2:1991, IEC 801-3:1984 and IEC 801-4:1988 by:

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 1000-4-2	1995	Electromagnetic compatibility (EMC) Part 4: Testing and measurement techniques - Section 2: Electrostatic discharge immunity test	EN 61000-4-2	1995
IEC 1000-4-3	1995	Section 3: Radiated, radiofrequency, electromagnetic field immunity test	-	-
IEC 1000-4-4	1995	Section 4: Electrical fast transient/burst immunity test	EN 61000-4-4	1995
IEC 1000-4-12	1995	Section 12: Oscillatory waves immunity test	EN 61000-4-12	1995

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