



National Standards Authority of Ireland

IRISH STANDARD

**I.S. EN 60044-7:2000**

ICS 17.220.20

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**INSTRUMENT TRANSFORMERS. PART 7:  
ELECTRONIC VOLTAGE TRANSFORMERS  
(IEC 60044-7:1999)**

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EUROPEAN STANDARD  
NORME EUROPÉENNE  
EUROPÄISCHE NORM

**EN 60044-7**

January 2000

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English version

**Instrument transformers**  
**Part 7: Electronic voltage transformers**  
(IEC 60044-7:1999)

Transformateurs de mesure  
Partie 7: Transformateurs de  
tension électroniques  
(CEI 60044-7:1999)

Meßwandler  
Teil 7: Elektronische Spannungswandler  
(IEC 60044-7:1999)

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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 European Standard 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.

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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

The text of document 38/242/FDIS, future edition 1 of IEC 60044-7, prepared by IEC TC 38, Instrument transformers, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 60044-7 on 1999-12-01.

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) 2000-10-01
- latest date by which the national standards conflicting  
with the EN have to be withdrawn (dow) 2002-12-01

Annexes designated "normative" are part of the body of the standard.

Annexes designated "informative" are given for information only.

In this standard, annexes A and ZA are normative and annexes B and C are informative.

*Annex ZA has been added by CENELEC.*

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### Endorsement notice

The text of the International Standard IEC 60044-7:1999 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 60038 (mod)	1983	IEC standard voltages <sup>1)</sup>	HD 472 S1	1989
IEC 60044-2 (mod)	1997	Instrument transformers Part 2: Inductive voltage transformers	EN 60044-2	1999
IEC 60050-161	1990	International Electrotechnical Vocabulary (IEV) Chapter 161: Electromagnetic compatibility	-	-
IEC 60050-321	1986	Chapter 321: Instrument transformers	-	-
IEC 60050-601	1985	Chapter 601: Generation, transmission and distribution of electricity - General	-	-
IEC 60050-604	1987	Chapter 604: Generation, transmission and distribution of electricity - Operation	-	-
IEC 60060-1 + corr. March	1989 1990	High-voltage test techniques Part 1: General definitions and test requirements	HD 588.1 S1	1991
IEC 60071-1	1993	Insulation co-ordination Part 1: Definitions, principles and rules	EN 60071-1	1995
IEC 60186 (mod)	1987	Voltage transformers	HD 554 S1 <sup>2)</sup>	1992
IEC 60255-5	1977	Electrical relays Part 5: Insulation tests for electrical relays	-	-
IEC 60255-6 (mod)	1988	Part 6: Measuring relays and protection equipment	EN 60255-6 + corr. February	1994 1995
IEC 60255-11	1979	Part 11: Interruptions to and alternating component (ripple) in d.c. auxiliary energizing quantity of measuring relays	-	-

1) The title of HD 472 S1 is: Nominal voltages for low-voltage public electricity supply systems.

2) HD 554 S1 includes A1:1988 to IEC 60186, mod.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60255-22-1	1988	Part 22: Electrical disturbance tests for measuring relays and protection equipment Section 1: 1 MHz burst disturbance tests	-	-
IEC 60270	1981	Partial discharge measurements	-	-
IEC 60617-1	1985	Graphical symbols for diagrams Part 1: General information, general index, Cross-reference tables	-	-
IEC 60694	1996	Common specifications for high-voltage switchgear and controlgear standards	EN 60694 + corr. May	1996 1999
IEC 60721	series	Classification of environmental conditions	EN 60721 HD 478	series series
IEC 60815	1986	Guide for the selection of insulators in respect of polluted conditions	-	-
IEC 61000-4-1	1992	Electromagnetic compatibility (EMC) Part 4: Testing and measurement techniques Section 1: Overview of immunity tests	EN 61000-4-1	1994
IEC 61000-4-2	1995	Part 4-2: Testing and measurement techniques - Electrostatic discharge immunity test	EN 61000-4-2	1995
IEC 61000-4-3 (mod)	1995	Part 4-3: Testing and measurement techniques - Radiated, radio-frequency, electromagnetic field immunity test	EN 61000-4-3	1996
IEC 61000-4-4	1995	Part 4-4: Testing and measurement techniques - Electrical fast transient/burst immunity test	EN 61000-4-4	1995
IEC 61000-4-5	1995	Part 4-5: Testing and measurement techniques - Surge immunity test	EN 61000-4-5	1995
IEC 61000-4-8	1993	Part 4-8: Testing and measurement techniques - Power frequency magnetic field immunity test	EN 61000-4-8	1993
IEC 61000-4-9	1993	Part 4-9: Testing and measurement techniques - Pulse magnetic field immunity test	EN 61000-4-9	1993
IEC 61000-4-10	1993	Part 4-10: Testing and measurement techniques - Damped oscillatory magnetic field immunity test	EN 61000-4-10	1993

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