



National Standards Authority of Ireland

IRISH STANDARD

I.S. EN 60834-1:2000

ICS 29.240.20

National Standards
Authority of Ireland
Dublin 9
Ireland

Tel: (01) 807 3800
Tel: (01) 807 3838

**TELEPROTECTION EQUIPMENT OF POWER
SYSTEMS PERFORMANCE AND TESTING.
PART 1: COMMAND SYSTEMS
(IEC 60834-1:1999)**

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 60834-1

December 1999

ICS 29.240.20

Supersedes HD 543.1 S1:1991

English version

**Teleprotection equipment of power systems
Performance and testing
Part 1: Command systems
(IEC 60834-1:1999)**

Matériels de téléprotection des
réseaux d'énergie électrique
Performances et essais
Partie 1: Systèmes de commande
(CEI 60834-1:1999)

Schutzsignal-Übertragungseinrichtungen
für Energieversorgungsnetze
Leistungsmerkmale und Prüfungen
Teil 1: Systeme mit Übertragung von
Befehlen
(IEC 60834-1:1999)

This European Standard was approved by CENELEC on 1999-12-01. 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.

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.

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

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 57/406/FDIS, future edition 2 of IEC 60834-1, prepared by IEC TC 57, Power system control and associated communications, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 60834-1 on 1999-12-01.

This European Standard supersedes HD 543.1 S1:1991.

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) 2000-09-01
- 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, annex ZA is normative and annexes A, B and C are informative.
Annex ZA has been added by CENELEC.

Endorsement notice

The text of the International Standard IEC 60834-1:1999 was approved by CENELEC as a European Standard without any modification.

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 60050-151	1978	International Electrotechnical Vocabulary (IEV) Chapter 151: Electrical and magnetic devices	-	-
IEC 60050-448	1995	Chapter 448: Power system protection	-	-
IEC 60060-1 + corr. March	1989 1990	High-voltage test techniques Part 1: General definitions and test requirements	HD 588.1 S1	1991
IEC 60870-2-1	1995	Telecontrol equipment and systems Part 2: Operating conditions Section 1: Power supply and electromagnetic compatibility	EN 60870-2-1	1996
IEC 60870-2-2	1996	Part 2: Operating conditions Section 2: Environmental conditions (climatic, mechanical and other non-electrical influences)	EN 60870-2-2	1996
IEC 61000-4-1	1992	Electromagnetic compatibility (EMC) Part 4: Testing and measurement techniques Section 1: Overview of immunity tests Basic EMC publication	EN 61000-4-1	1994
ITU-T G.823	1993	The control of jitter and wander within digital networks which are based on the 2048 kbit/s hierarchy	-	-
CISPR 22 (mod)	1997	Information technology equipment - Radio disturbance characteristics - Limits and methods of measurement	EN 55022 + corr. August	1998 1999

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