



**National Standards Authority of Ireland**

**IRISH STANDARD**

**I.S. EN 61334-4-42:1999**

ICS 29.240.20  
33.200

**DISTRIBUTION AUTOMATION USING  
DISTRIBUTION LINE CARRIER SYSTEMS.  
PART 4: DATA COMMUNICATION  
PROTOCOLS SECTION 42: APPLICATION  
PROTOCOLS - APPLICATION LAYER  
(IEC 1334-4-42:1996)**

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**EUROPEAN STANDARD****EN 61334-4-42****NORME EUROPÉENNE****EUROPÄISCHE NORM**

December 1996

ICS 35.100.70

Descriptors: Electric power, distribution automation, line carrier systems, data communication protocols, application protocols, application layer

English version

**Distribution automation using distribution line carrier systems**  
**Part 4: Data communication protocols**  
**Section 42: Application protocols - Application layer**  
**(IEC 1334-4-42:1996)**

Automatisation de la distribution à l'aide de systèmes de communication à courants porteurs  
Partie 4: Protocoles de communication de données  
Section 42: Protocoles d'application  
Couche application  
(CEI 1334-4-42:1996)

Verteilungsautomatisierung mit Hilfe von Trägersystemen auf Verteilungsleitungen  
Teil 4: Datenkommunikationsprotokolle  
Hauptabschnitt 42:  
Anwendungsprotokolle  
Anwendungsschicht  
(IEC 1334-4-42:1996)

This European Standard was approved by CENELEC on 1996-10-01. 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, 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 57/265/FDIS, future edition 1 of IEC 1334-4-42, 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 61334-4-42 on 1996-10-01.

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) 1997-07-01
- latest date by which the national standards conflicting  
with the EN have to be withdrawn (dow) 1997-07-01

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 annex B is informative.  
Annex ZA has been added by CENELEC.

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### Endorsement notice

The text of the International Standard IEC 1334-4-42:1996 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 1334-4-1	1996	Distribution automation using distribution line carrier systems Part 4: Data communication protocols Section 1: Reference model of the communication system	EN 61334-4-1	1996
IEC 1334-4-32	1996	Section 32: Data link layer - Logical link control (LLC)	EN 61334-4-32	1996
IEC 1334-4-41	1996	Section 41: Application protocols Distribution line message specification	EN 61334-4-41	1996
ISO 7498	1984	Information processing systems - Open Systems Interconnection - Basic Reference Model	EN 27498	1989
ISO 7498-3	1989	Part 3: Naming and addressing	-	-
ISO/TR 8509	1987	Information processing systems - Open Systems Interconnection - Service conventions	-	-
ISO 8649	1988	Information processing systems - Open Systems Interconnection - Service definition for the Association Control Service Element	-	-
A2	1991	Connectionless-mode ACSE service	-	-
ISO 8824	1990	Information technology - Open Systems Interconnection - Specification of Abstract Syntax Notation One (ASN.1)	-	-
ISO 8825	1990	Information technology - Open Systems Interconnection - Specification of Basic Encoding Rules for Abstract Syntax Notation One (ASN.1)	-	-
ISO 9545	1994	Information technology - Open Systems Interconnection - Application Layer structure	-	-



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