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National Standards Authority of Ireland

IRISH STANDARD

I.S. EN 60870-5-1:1994

ICS 33.200

National Standards
Authority of Ireland
Dublin 9
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TELECONTROL EQUIPMENT AND SYSTEMS.

PART 5: TRANSMISSION PROTOCOLS.

SECTION 1: TRANSMISSION FRAME FORMATS (IEC 870-5-1:1990)

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EUROPEAN STANDARD EN 60870-5-1

NORME EUROPEENNE

EUROPÄISCHE NORM September 1993

UDC 621.398:621.316.1:681.3.04

Descriptors: Telecontrol, data-transmission, open system interconnection, protocol, data structure, frame, format

ENGLISH VERSION

Telecontrol equipment and systems
Part 5: Transmission protocols
Section One: Transmission frame formats
(IEC 870-5-1:1990)

Matériels et systèmes de téléconduite
Partie 5: Protocoles de transmission
Section un: Formats de trames de transmission
(CEI 870-5-1:1990)

Fernwirkeinrichtungen und Fernwirksysteme
Teil 5: Übertragungsprotokolle
Hauptabschnitt eins: Telegrammformate
(IEC 870-5-1:1990)

This European Standard was approved by CENELEC on 1993-07-06. 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

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Ref. No. EN 60870-5-1:1993 E

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FOREWORD

The CENELEC questionnaire procedure, performed for finding out whether or not the International Standard IEC 870-5-1:1990 could be accepted without textual changes, has shown that no common modifications were necessary for the acceptance as European Standard.

The reference document was submitted to the CENELEC members for formal vote and was approved by CENELEC as EN 60870-5-1 on 6 July 1993.

The following dates were fixed:

- latest date of publication of an identical national standard	(dop)	1994-08-01
- latest date of withdrawal of conflicting national standards	(dow)	1994-08-01

Annexes designated "normative" are part of the body of the standard. In this standard, annex ZA is normative.

ENDORSEMENT NOTICE

The text of the International Standard IEC 870-5-1:1990 was approved by CENELEC as a European Standard without any modification.

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ANNEX ZA (normative)

OTHER INTERNATIONAL PUBLICATIONS QUOTED IN THIS STANDARD WITH THE REFERENCES OF THE RELEVANT 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.

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

IEC Publication	Date	Title	EN/HD	Date
50(371)	1984	International Electrotechnical Vocabulary (IEV) Chapter 371: Telecontrol	-	-
870-1-1	1988	Telecontrol equipment and systems Part 1: General considerations Section One: General principles	-	-
870-5-2	1992	Part 5: Transmission protocols Section 2: Link transmission procedures	EN 60870-5-2	1993

Other publication

ISO 3309:1984 - Information processing systems - Data communication - High-level data link control procedures - Frame structure

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