

**KAUGJUHTIMISSEADMED JA -SÜSTEEMID. OSA 5-101:
ÜLEKANDE PROTOKOLLID. PÕHILISTE KAUGJUHTIMISE
ÜLESANNETE KAASSTANDARD**

**Telecontrol equipment and systems - Part 5-101:
Transmission protocols - Companion standard for basic
telecontrol tasks**

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

See Eesti standard EVS-EN 60870-5-101:2003 sisaldab Euroopa standardi EN 60870-5-101:2003 ingliskeelset teksti.	This Estonian standard EVS-EN 60870-5-101:2003 consists of the English text of the European standard EN 60870-5-101:2003.
Standard on jõustunud sellekohase teate avaldamisega EVS Teatajas.	This standard has been endorsed with a notification published in the official bulletin of the Estonian Centre for Standardisation.
Euroopa standardimisorganisatsioonid on teinud Euroopa standardi rahvuslikele liikmetele kättesaadavaks 25.04.2003.	Date of Availability of the European standard is 25.04.2003.
Standard on kättesaadav Eesti Standardikeskusest.	The standard is available from the Estonian Centre for Standardisation.

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ICS 33.200

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English version

Telecontrol equipment and systems
Part 5-101: Transmission protocols –
Companion standard for basic telecontrol tasks
(IEC 60870-5-101:2003)

Matériel et systèmes de téléconduite
Partie 5-101: Protocoles de transmission -
Norme d'accompagnement
pour les tâches élémentaires
de téléconduite
(CEI 60870-5-101:2003)

Fernwirkleinrichtungen und -systeme
Teil 5-101: Übertragungsprotokolle -
Anwendungsbezogene Norm
für grundlegende Fernwirkaufgaben
(IEC 60870-5-101:2003)

This European Standard was approved by CENELEC on 2003-04-01. 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.

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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

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Foreword

The text of document 57/605/FDIS, future edition 2 of IEC 60870-5-101, 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 60870-5-101 on 2003-04-01.

This European Standard supersedes EN 60870-5-101:1996 + A1:2000 + A2:2001.

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) 2004-01-01
- latest date by which the national standards conflicting
with the EN have to be withdrawn (dow) 2006-04-01

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 and B are informative.

Annex ZA has been added by CENELEC.

Endorsement notice

The text of the International Standard IEC 60870-5-101:2003 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 60050-371	1984	International Electrotechnical Vocabulary - Chapter 371: Telecontrol	-	-
IEC 60870-1-1	1988	Telecontrol equipment and systems Part 1: General considerations – Section 1: General principles	-	-
IEC 60870-5-1	1990	Part 5: Transmission protocols – Section 1: Transmission frame formats	EN 60870-5-1	1993
IEC 60870-5-2	1992	Part 5: Transmission protocols – Section 2: Link transmission procedures	EN 60870-5-2	1993
IEC 60870-5-3	1992	Part 5: Transmission protocols – Section 3: General structure of application data	EN 60870-5-3	1992
IEC 60870-5-4	1993	Part 5: Transmission protocols – Section 4: Definition and coding of application information elements	EN 60870-5-4	1993
IEC 60870-5-5	1995	Part 5: Transmission protocols – Section 5: Basic application functions	EN 60870-5-5	1995
IEC 60870-5-103	1997	Part 5-103: Transmission protocols - Companion standard for the informative interface of protection equipment	EN 60870-5-103	1998
ISO/IEC 8824-1	2000	Information technology - Abstract Syntax Notation One (ASN.1): Specification of basic notation	-	-
ITU-T V.24	2000	List of definitions for interchange circuits between data terminal equipment (DTE) and data circuit-terminating equipment (DCE)	-	-
ITU-T V.28	1993	Electrical characteristics for unbalanced double-current interchange circuits	-	-

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
ITU-T X.24	1988	List of definitions for interchange circuits between Data Terminal Equipment (DTE) and Data Circuit-terminating Equipment (DCE) on public data networks	-	-
ITU-T X.27/V.11	1996	Electrical characteristics for balanced double-current interchange circuits operating at data signalling rates up to 10 Mbit/s	-	-
IEEE 754	1985	Standard for Binary Floating-Point Arithmetic	-	-

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