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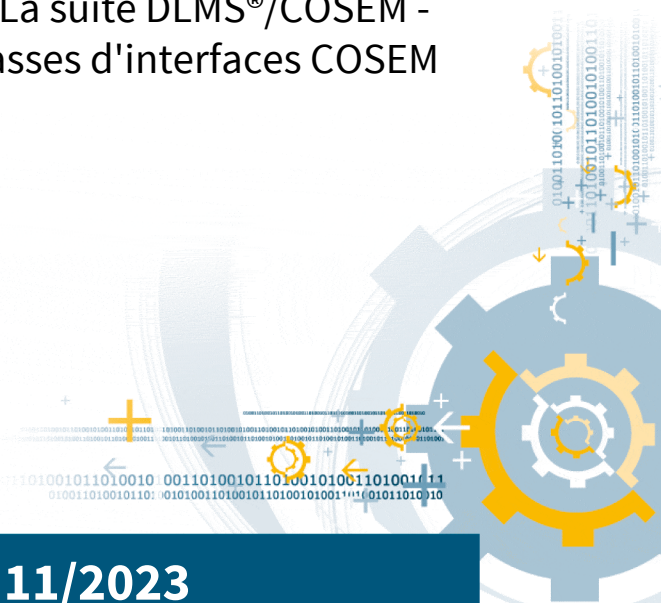
ILNAS-EN IEC 62056-6-2:2023

Electricity metering data exchange - The DLMS®/COSEM suite - Part 6-2: COSEM interface classes

Datenkommunikation der elektrischen
Energiemessung - DLMS®/COSEM - Teil
6-2: COSEM Interface-Klassen

Échange des données de comptage de
l'électricité - La suite DLMS®/COSEM -
Partie 6-2: Classes d'interfaces COSEM

11/2023



National Foreword

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Electricity metering data exchange - The DLMS®/COSEM suite -
Part 6-2: COSEM interface classes
(IEC 62056-6-2:2023)

Échange des données de comptage de l'électricité - La
suite DLMS®/COSEM - Partie 6-2: Classes d'interfaces
COSEM
(IEC 62056-6-2:2023)

Datenkommunikation der elektrischen Energiemessung -
DLMS®/COSEM - Teil 6-2: COSEM Interface-Klassen
(IEC 62056-6-2:2023)

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CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

European foreword

The text of document 13/1891/FDIS, future edition 4 of IEC 62056-6-2, prepared by IEC/TC 13 "Electrical energy measurement and control" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 62056-6-2:2023.

The following dates are fixed:

- latest date by which the document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2024-08-02
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2026-11-02

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Endorsement notice

The text of the International Standard IEC 62056-6-2:2023 was approved by CENELEC as a European Standard without any modification.

In the official version, for Bibliography, the following notes have to be added for the standard indicated:

IEC 61334-6:2000 NOTE Approved as EN 61334-6:2000 (not modified)

IEC 62056-8-5:2017 NOTE Approved as EN 62056-8-5:2017 (not modified)

Annex ZA (normative)

Normative references to international publications with their corresponding European publications

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

NOTE 1 Where an International Publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

NOTE 2 Up-to-date information on the latest versions of the European Standards listed in this annex is available here: www.cenelec.eu.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
-	-	Communication system for and remote reading of meters - Part 2: Physical and link layer	EN 13757-2	2004
-	-	Communication system for and remote reading of meters - Part 3: Dedicated application layer	EN 13757-3	2004
-	-	Communication system for and remote reading of meters - Part 3: Dedicated application layer	EN 13757-3	2013
-	-	Communication system for and remote reading of meters - Part 4: Wireless meter (Radio meter reading for operation in SRD bands)	EN 13757-4	2013
-	-	Communication system for meters - Part 5: Wireless M-Bus relaying	EN 13757-5	2015
IEC 61334-4-32	1996	Distribution automation using distribution line carrier systems - Part 4: Data communication protocols - Section 32: Data link layer - Logical link control (LLC)	EN 61334-4-32	1996
IEC 61334-4-41	1996	Distribution automation using distribution line carrier systems - Part 4: Data communication protocols - Section 41: Application protocol - Distribution line message specification	EN 61334-4-41	1996
IEC 61334-4-511	2000	Distribution automation using distribution line carrier systems - Part 4-511: Data communication protocols - Systems management - CIASE protocol	EN 61334-4-511	2000
IEC 61334-4-512	2001	Distribution automation using distribution line carrier systems - Part 4-512: Data communication protocols - System management using profile 61334-5-1 - Management Information Base (MIB)	EN 61334-4-512	2002

IEC 61334-5-1	2001	Distribution automation using distribution line carrier systems - Part 5-1: Lower layer profiles - The spread frequency shift keying (S-FSK) profile	EN 61334-5-1	2001
IEC/TR 62055-21	2005	Electricity metering - Payment systems - Part 21: Framework for standardization	-	-
IEC 62056-21	2002	Electricity metering - Data exchange for meter reading, tariff and load control - Part 21: Direct local data exchange	EN 62056-21	2002
IEC 62056-31	1999	Electricity metering - Data exchange for meter reading, tariff and load control - Part 31: Use of local area networks on twisted pair with carrier signalling	EN 62056-31	2000
IEC 62056-3-1	2013	Electricity metering data exchange - The DLMS/COSEM suite - Part 3-1: Use of local area networks on twisted pair with carrier signalling	EN 62056-3-1	2014
IEC 62056-3-1	2021	Electricity metering data exchange - The DLMS/COSEM suite - Part 3-1: Use of local area networks on twisted pair with carrier signalling	EN IEC 62056-3-1	2021
IEC 62056-46	2002	Electricity metering - Data exchange for meter reading, tariff and load control - Part 46: Data link layer using HDLC protocol	EN 62056-46	2002
AMD1	2006		A1	2006
IEC 62056-5-3	2023	Electricity metering data exchange - The DLMS®/COSEM suite - Part 5-3: DLMS®/COSEM application layer	EN IEC 62056-5-3	2023
IEC 62056-6-1	2023	Electricity metering data exchange - The DLMS/COSEM suite - Part 6-1: Object Identification System (OBIS)	EN IEC 62056-6-1	20XX ¹
IEC 62056-7-3	2017	Electricity metering data exchange - The DLMS/COSEM suite - Part 7-3: Wired and wireless M-Bus communication profiles for local and neighbourhood networks	EN 62056-7-3	2017
IEC 62056-8-3	2013	Electricity metering data exchange - The DLMS/COSEM suite - Part 8-3: Communication profile for PLC S-FSK neighbourhood networks	EN 62056-8-3	2013
IEC 62056-8-4	2018	Electricity metering data exchange - The DLMS/COSEM suite - Part 8-4: Communication profiles for narrow-band OFDM PLC PRIME neighbourhood networks	EN IEC 62056-8-4	2019
IEC 62056-8-6	2017	Electricity metering data exchange - The DLMS/COSEM suite - Part 8-6: High speed PLC ISO/IEC 12139-1 profile for neighbourhood networks	EN 62056-8-6	2017

¹ Under preparation. Stage at the time of publication: prEN IEC 62056-6-1:2022.

IEC 62056-8-8	2020	Electricity metering data exchange - The DLMS/COSEM suite - Part 8-8: Communication profile for ISO/IEC 14908 series networks	EN IEC 62056-8-8	2020
IEEE 802.15.4	2006	Standard for Information technology - Local and metropolitan area networks - Specific requirements - Part 15.4: Wireless Medium Access Control (MAC) and Physical Layer (PHY) Specifications for Low Rate Wireless Personal Area Networks (WPANs)	-	-
IETF STD 51	1994	The Point-to-Point Protocol (PPP)	-	-
ISO/IEC 8802-2	1998	Information technology - Telecommunications and information exchange between systems - Local and metropolitan area networks - Specific requirements) Part 2: Logical link control	-	-
ISO/IEC 12139-1	2009	Information technology - Telecommunications and information exchange between systems - Powerline communication (PLC) - High speed PLC medium access control (MAC) and physical layer (PHY) - Part 1: General requirements	-	-
ISO/IEC 14908-1	2012	Information technology - Control network protocol - Part 1: Protocol stack	-	-
ISO/IEC 60559	2020	Information technology - Microprocessor Systems - Floating-Point arithmetic	-	-
ISO 4217	-	Codes for the representation of currencies	-	-
ITU-T E.212	2008	Series E: Overall network operation, telephone service, service operation and human factors - International operation - Maritime mobile service and public land mobile service - The international identification plan for public networks and subscriptions	-	-
ITU-T G.9903 Amd. 1	2013	Series G: Transmission systems and media, digital systems and networks - Access networks - In premises networks - Narrow-band orthogonal frequency division multiplexing power line communication transceivers for G3-PLC networks	-	-
ITU-T G.9903	2014	Series G: Transmission systems and media, digital systems and networks - Access networks - In premises networks - Narrow-band orthogonal frequency division multiplexing power line communication transceivers for G3-PLC networks	-	-
ITU-T G.9903 Amd. 1	2017	Series G: Transmission systems and media, digital systems and networks - Access networks - In premises networks - Narrow-band orthogonal frequency division multiplexing power line communication transceivers for G3-PLC networks	-	-

ITU-T G.9904	2012	Series G: Transmission systems and media, digital systems and networks - Access networks - In premises networks - Narrow-band orthogonal frequency division multiplexing power line communication transceivers for PRIME networks	-	-
ETSI GSM 05.08	1996	Digital cellular telecommunications system - (Phase 2+); Radio subsystem link control	-	-



INTERNATIONAL STANDARD

NORME INTERNATIONALE



**Electricity metering data exchange – The DLMS®/COSEM suite –
Part 6-2: COSEM interface classes**

**Échange des données de comptage de l'électricité – La suite DLMS/COSEM –
Partie 6-2: Classes d'interfaces COSEM**

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