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

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

Echange des données de comptage de l'électricité - La suite DLMS/COSEM - Partie 6-2: Classes d'interface COSEM (CEI 62056-6-2:2013)

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(IEC 62056-6-2:2017)

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

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• latest date by which the document has to be implemented at national level by publication of an identical national standard or by endorsement	(dop)	2018-08-23
• latest date by which the national standards conflicting with the document have to be withdrawn	(dow)	2021-02-23

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

IEC 61334-6:2000	NOTE	Harmonized as EN 61334-6:2000 (not modified).
IEC 62056-4-7:2015	NOTE	Harmonized as EN 62056-4-7:2016 (not modified).
IEC 62056-7-6:2013	NOTE	Harmonized as EN 62056-7-6:2013 (not modified).
IEC 62056-9-7:2013	NOTE	Harmonized as EN 62056-9-7:2013 (not modified).
IEC 62056-8-4[1]	NOTE	Harmonized as EN 62056-8-4[2] (not modified).
IEC 62056-8-5:2017	NOTE	Harmonized as EN 62056-8-5:2017 (not modified).

[1] To be published. Stage at the time of publication: IEC CDV 62056-8-4:2017.
[2] To be published. Stage at the time of publication: prEN 62056-8-4:2017.

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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.

Publication	Year	Title	EN/HD	Year
-	-	Communication systems for meters and remote reading of meters - Part 2: Physical and link layer	EN 13757-2	2004
-	-	Communication systems for meters and remote reading of meters - Part 3: Dedicated application layer	EN 13757-3	2004[3]
-	-	Communication systems for meters 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 systems 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 protocols - 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

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[3] Superseded by EN 13757-3:2013.

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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[4]
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 62056-46	2002	Electricity metering - Data exchange for meter reading, tariff and load control -- Part 46: Data link layer using HDLC protocol	EN 62056-46	2002
+ A1	2006		+ A1	2007
IEC 62056-5-3	2017	Electricity metering data exchange - The DLMS/COSEM suite - Part 5-3: DLMS/COSEM application layer	EN 62056-5-3	2017
IEC 62056-6-1	2017	Electricity metering data exchange - The DLMS/COSEM suite - Part 6-1: Object Identification System (OBIS)	EN 62056-6-1	2017
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 62056-8-6	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

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[4] Superseded by EN 62056-3-1:2014 (IEC 62056-3-1:2013).

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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/IEEE 60559	2011	Information technology - Microprocessor Systems - Floating-Point arithmetic	-	-
ISO 4217	-	Codes for the representation of currencies	-	-
3GPP TS 24.301 V13.4.0	2016	Technical Specification Group Core Network and Terminals; Non-Access-Stratum (NAS) protocol for Evolved Packet System (EPS); Stage 3	-	-
ITU-T E.212	2008	The international identification plan for public networks and subscriptions	-	-
ITU-T G.9903	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 G3-PLC networks	-	-
+A1	2013			
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.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	-	-

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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)	-	-
ETSI GSM 05.08	1996	Digital cellular telecommunications system (Phase 2+); Radio subsystem link control	-	-
ANSI C12.19:1997/IEEE 1377	1997	Utility Industry End Device Data Tables	-	-
ZigBee® 053474	-	ZigBee® Specification	-	-
IETF STD 51	1994	The Point-to-Point Protocol (PPP)	-	-
IETF STD 51 / RFC 1661	1994	The Point-to-Point Protocol (PPP)	-	-
IETF STD 51 / RFC 1662	1994	PPP in HDLC-like Framing	-	-
RFC 791	1981	Internet Protocol - DARPA Internet Program Protocol Specification	-	-
RFC 1144	1990	Compressing TCP/IP Headers for Low-Speed Serial Links	-	-
RFC 1332	1992	The PPP Internet Protocol Control Protocol (IPCP)	-	-
RFC 1570	1994	PPP LCP Extensions	-	-
RFC 1994	1996	PPP Challenge Handshake Authentication Protocol (CHAP)	-	-
RFC 2433	1998	PPP CHAP Extension	-	-
RFC 2474	1998	Definition of the Differentiated Services Field (DS Field) in the IPv4 and IPv6 Headers	-	-
RFC 2507	1999	IP Header Compression	-	-
RFC 2508	1999	Compressing IP/UDP/RTP Headers for Low-Speed Serial Links	-	-
RFC 2759	2000	Microsoft PPP CHAP Extensions	-	-
RFC 2986	-	PKCS #10: Certification Request Syntax Specification Version 1.7	-	-
RFC 3095	2001	Robust Header Compression (ROHC): Framework and four profiles: RTP, UDP, ESP, and uncompressed	-	-

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RFC 3241	2002	Robust Header Compression (ROHC) over PPP	-	-
RFC 3513	2003	Internet Protocol Version 6 (IPv6) Addressing Architecture	-	-
RFC 3544	2003	IP Header Compression over PPP	-	-
RFC 3748	2014	Extensible Authentication Protocol (EAP)	-	-
RFC 4861	2007	Neighbor Discovery for IP version 6 (IPv6)	-	-
RFC 5280	2008	Internet X.509 Public Key Infrastructure Certificate and Certificate Revocation List (CRL) Profile	-	-
RFC 5905	2010	Network Time Protocol Version 4: Protocol and Algorithms Specification	-	-
RFC 6282	2011	Compression Format for IPv6 Datagrams over IEEE 802.15.4-Based Networks	-	-
RFC 6775	2012	Neighbor Discovery Optimization for IPv6 over Low-Power Wireless Personal Area Networks (6LoWPANs)	-	-
Point-to-Point (PPP)		Protocol Field Assignments	-	-

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CONTENTS

FOREWORD 10
INTRODUCTION 12
1 Scope 14
2 Normative references 14
3 Terms, definitions and abbreviated terms 17
3.1 Terms and definitions related to the Image transfer process (see 5.3.6) 17
3.2 Terms and definitions related to the S-FSK PLC setup classes (see 5.9) 18
3.3 Terms and definitions related to the PRIME NB OFDM PLC setup ICs (see 5.11) 19
3.4 Terms and definitions related to ZigBee® (see 5.13) 21
3.5 Terms and definitions related to Payment metering interface classes (see 5.5) 22
3.6 Terms and definitions related to the Arbitrator IC (see 5.4.12) 27
3.7 Abbreviated terms 27
4 Basic principles 31
4.1 General 31
4.2 Referencing methods 32
4.3 Reserved base_names for special COSEM objects 33
4.4 Class description notation 33
4.5 Common data types 35
4.6 Data formats 37
4.6.1 Date and time formats 37
4.6.2 Floating point number formats 39
4.7 The COSEM server model 41
4.8 The COSEM logical device 42
4.8.1 General 42
4.8.2 COSEM logical device name (LDN) 42
4.8.3 The “association view” of the logical device 42
4.8.4 Mandatory contents of a COSEM logical device 43
4.8.5 Management logical device 43
4.9 Information security 43
5 The COSEM interface classes 44
5.1 Overview 44
5.2 Interface classes for parameters and measurement data 48
5.2.1 Data (class_id = 1, version = 0) 48
5.2.2 Register (class_id = 3, version = 0) 49
5.2.3 Extended register (class_id = 4, version = 0) 53
5.2.4 Demand register (class_id = 5, version = 0) 54
5.2.5 Register activation (class_id = 6, version = 0) 57
5.2.6 Profile generic (class_id = 7, version = 1) 59
5.2.7 Utility tables (class_id = 26, version = 0) 64
5.2.8 Register table (class_id = 61, version = 0) 65
5.2.9 Status mapping (class_id = 63, version = 0) 67
5.2.10 Compact data 69
5.3 Interface classes for access control and management 77
5.3.1 Overview 77
5.3.2 Client user identification 78

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SIST EN IEC 62056-6-2:2018
https://standards.iteh.ai/catalog/standards/sist/cbbc419b-3774-4e85-8ccd-ffd70e54e372/sist-en-iec-62056-6-2-2018

SIST EN IEC 62056-6-2:2018

5.3.3 Association SN (class_id = 12, version = 4) 78
5.3.4 Association LN (class_id = 15, version = 3) 83
5.3.5 SAP assignment (class_id = 17, version = 0) 90
5.3.6 Image transfer 90
5.3.7 Security setup (class_id = 64, version = 1) 98
5.3.8 Push interface classes and objects 105
5.3.9 COSEM data protection 111
5.3.10 Function control (class_id: 122, version: 0) 129
5.3.11 Array manager (class_id = 123, version = 0) 131
5.4 Interface classes for time- and event bound control 138
5.4.1 Clock (class_id = 8, version = 0) 138
5.4.2 Script table (class_id = 9, version = 0) 140
5.4.3 Schedule (class_id = 10, version = 0) 142
5.4.4 Special days table (class_id = 11, version = 0) 145
5.4.5 Activity calendar (class_id = 20, version = 0) 146
5.4.6 Register monitor (class_id = 21, version = 0) 149
5.4.7 Single action schedule (class_id = 22, version = 0) 150
5.4.8 Disconnect control (class_id = 70, version = 0) 151
5.4.9 Limiter (class_id = 71, version = 0) 154
5.4.10 Parameter monitor (class_id = 65, version = 0) 157
5.4.11 Sensor manager interface class 158
5.4.12 Arbitrator 162
5.4.13 Modelling examples: tariffication and billing 166
5.5 Payment metering related interface classes 168
5.5.1 Overview of the COSEM accounting model 168
5.5.2 Account (class_id = 111, version = 0) 170
5.5.3 Credit interface class 180
5.5.4 Charge (class_id = 113, version = 0) 190
5.5.5 Token gateway (class_id = 115, version = 0) 196
5.6 Interface classes for setting up data exchange via local ports and modems 199
5.6.1 IEC local port setup (class_id = 19, version = 1) 199
5.6.2 IEC HDLC setup (class_id = 23, version = 1) 200
5.6.3 IEC twisted pair (1) setup (class_id = 24, version = 1) 202
5.6.4 Modem configuration (class_id = 27, version = 1) 204
5.6.5 Auto answer (class_id = 28, version = 2) 206
5.6.6 Auto connect (class_id = 29, version = 2) 209
5.6.7 GPRS modem setup (class_id = 45, version = 0) 211
5.6.8 GSM diagnostic (class_id: 47, version: 1) 212
5.6.9 LTE monitoring (class_id: 151, version: 0) 214
5.7 Interface classes for setting up data exchange via M-Bus 215
5.7.1 Overview 215
5.7.2 M-Bus slave port setup (class_id = 25, version = 0) 216
5.7.3 M-Bus client (class_id = 72, version = 1) 216
5.7.4 Wireless Mode Q channel (class_id = 73, version = 1) 221
5.7.5 M-Bus master port setup (class_id = 74, version = 0) 222
5.7.6 DLMS/COSEM server M-Bus port setup (class_id = 76, version = 0) 222
5.7.7 M-Bus diagnostic (class_id = 77, version = 0) 225
5.8 Interface classes for setting up data exchange over the Internet 227
5.8.1 TCP-UDP setup (class_id = 41, version = 0) 227

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SIST EN IEC 62056-6-2:2018
https://standards.iteh.ai/catalog/standards/sist/cebbc419b-3774-4e85-8ccd-4d7c654e572/sist-en-iec-62056-6-2-2018

SIST EN IEC 62056-6-2:2018

5.8.2 IPv4 setup (class_id = 42, version = 0) 228
5.8.3 IPv6 setup (class_id = 48, version = 0) 231
5.8.4 MAC address setup (class_id = 43, version = 0) 234
5.8.5 PPP setup (class_id = 44, version = 0) 235
5.8.6 SMTP setup (class_id = 46, version = 0) 239
5.8.7 NTP setup (class_id = 100, version = 0) 240
5.9 Interface classes for setting up data exchange using S-FSK PLC 242
5.9.1 General 242
5.9.2 Overview 242
5.9.3 S-FSK Phy&MAC set-up (class_id = 50, version = 1) 244
5.9.4 S-FSK Active initiator (class_id = 51, version = 0) 249
5.9.5 S-FSK MAC synchronization timeouts (class_id = 52, version = 0) 251
5.9.6 S-FSK MAC counters (class_id = 53, version = 0) 253
5.9.7 IEC 61334-4-32 LLC setup (class_id = 55, version = 1) 256
5.9.8 S-FSK Reporting system list (class_id = 56, version = 0) 257
5.10 Interface classes for setting up the LLC layer for ISO/IEC 8802-2 258
5.10.1 General 258
5.10.2 ISO/IEC 8802-2 LLC Type 1 setup (class_id = 57, version = 0) 258
5.10.3 ISO/IEC 8802-2 LLC Type 2 setup (class_id = 58, version = 0) 259
5.10.4 ISO/IEC 8802-2 LLC Type 3 setup (class_id = 59, version = 0) 260
5.11 Interface classes for setting up and managing DLMS/COSEM narrowband OFDM PLC profile for PRIME networks 262
5.11.1 Overview 262
5.11.2 Mapping of PRIME NB OFDM PLC PIB attributes to COSEM IC attributes 263
5.11.3 61334-4-32 LLC SSCS setup (class_id = 80, version = 0) 265
5.11.4 PRIME NB OFDM PLC Physical layer parameters 266
5.11.5 PRIME NB OFDM PLC Physical layer counters (class_id = 81, version = 0) 266
5.11.6 PRIME NB OFDM PLC MAC setup (class_id = 82, version = 0) 267
5.11.7 NB OFDM PLC MAC functional parameters (class_id = 83 version = 0) 268
5.11.8 PRIME NB OFDM PLC MAC counters (class_id = 84, version = 0) 270
5.11.9 PRIME NB OFDM PLC MAC network administration data (class_id = 85, version = 0) 271
5.11.10 PRIME NB OFDM PLC MAC address setup (class_id = 43, version = 0) 274
5.11.11 PRIME NB OFDM PLC Application identification (class_id = 86, version = 0) 274
5.12 Interface classes for setting up and managing the DLMS/COSEM narrowband OFDM PLC profile for G3-PLC networks 275
5.12.1 Overview 275
5.12.2 Mapping of G3-PLC PIB attributes to COSEM IC attributes 275
5.12.3 G3-PLC MAC layer counters (class_id = 90, version = 1) 277
5.12.4 G3-PLC MAC setup (class_id = 91, version = 1) 278
5.12.5 G3-PLC 6LoWPAN adaptation layer setup (class_id = 92, version = 1) 283
5.13 Interface classes for setting up and managing DLMS/COSEM HS-PLC ISO/IEC 12139-1 neighbourhood networks 290
5.13.1 Overview 290
5.13.2 HS-PLC ISO/IEC 12139-1 MAC setup (class_id = 140, version = 0) 290
5.13.3 HS-PLC ISO/IEC 12139-1 CPAS setup (class_id = 141, version = 0) 291
5.13.4 HS-PLC ISO/IEC 12139-1 IP SSAS setup (class_id = 142, version = 0) 292

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SIST EN IEC 62056-6-2:2018

5.13.5 HS-PLC ISO/IEC 12139-1 HDLC SSAS setup (class_id = 143, version = 0) 293
5.14 ZigBee® setup classes 293
5.14.1 Overview 293
5.14.2 ZigBee® SAS startup (class_id = 101, version = 0) 295
5.14.3 ZigBee® SAS join (class_id = 102, version = 0) 297
5.14.4 ZigBee® SAS APS fragmentation (class_id = 103, version = 0) 298
5.14.5 ZigBee® network control (class_id = 104, version = 0) 298
5.14.6 ZigBee® tunnel setup (class_id = 105, version = 0) 305
5.15 Maintenance of the interface classes 307
5.15.1 New versions of interface classes 307
5.15.2 New interface classes 307
5.15.3 Removal of interface classes 307
6 Relation to OBIS 307
6.1 General 307
6.2 Abstract COSEM objects 308
6.2.1 Use of value group C 308
6.2.2 Data of historical billing periods 309
6.2.3 Billing period values / reset counter entries 310
6.2.4 Other abstract general purpose OBIS codes 310
6.2.5 Clock objects (class_id = 8) 311
6.2.6 Modem configuration and related objects 311
6.2.7 Script table objects (class_id = 9) 311
6.2.8 Special days table objects (class_id = 11) 313
6.2.9 Schedule objects (class_id = 10) 313
6.2.10 Activity calendar objects (class_id = 20) 314
6.2.11 Register activation objects (class_id = 6) 314
6.2.12 Single action schedule objects (class_id = 22) 314
6.2.13 Register monitor objects (class_id = 21) 315
6.2.14 Parameter monitor objects (class_id = 65) 315
6.2.15 Limiter objects (class_id = 71) 315
6.2.16 Array manager objects (class_id = 123) 315
6.2.17 Payment metering related objects 315
6.2.18 IEC local port setup objects (class_id = 19) 316
6.2.19 Standard readout profile objects (class_id = 7) 316
6.2.20 IEC HDLC setup objects (class_id = 23) 317
6.2.21 IEC twisted pair (1) setup objects (class_id = 24) 317
6.2.22 Objects related to data exchange over M-Bus 318
6.2.23 Objects to set up data exchange over the Internet 319
6.2.24 Objects for setting up data exchange using S-FSK PLC 320
6.2.25 Objects for setting up the ISO/IEC 8802-2 LLC layer 321
6.2.26 Objects for data exchange using narrowband OFDM PLC for PRIME networks 321
6.2.27 Objects for data exchange using narrow-band OFDM PLC for G3-PLC networks 322
6.2.28 ZigBee® setup objects 322
6.2.29 Objects for data exchange using HS-PLC ISO/IEC 12139-1 ISO/EC 12139-1 networks 323
6.2.30 Association objects (class_id = 12, 15) 323
6.2.31 SAP assignment object (class_id = 17) 323

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