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Irish Standard
I.S. EN 62056-8-3:2013

Electricity metering data exchange -
The DLMS/COSEM suite -- Part 8-3:
Communication profile for PLC S-FSK
neighbourhood networks (IEC 62056-8
-3:2013 (EQV))

I.S. EN 62056-8-3:2013

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EUROPEAN STANDARD

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English version

**Electricity metering data exchange -
The DLMS/COSEM suite -
Part 8-3: Communication profile for PLC S-FSK neighbourhood networks
(IEC 62056-8-3:2013)**

Echange des données de comptage de
l'électricité -
La suite DLMS/COSEM -
Partie 8-3: Profil de communication pour
réseaux de voisinage CPL S-FSK
(CEI 62056-8-3:2013)

Datenkommunikation der elektrischen
Energiemessung -
DLMS/COSEM -
Teil 8-3: PLC S-FSK Spezifikation für
Areal-Netze
(IEC 62056-8-3:2013)

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Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

CEN-CENELEC Management Centre: Avenue Marnix 17, B - 1000 Brussels

Foreword

The text of document 13/1526/FDIS, future edition 1 of IEC 62056-8-3, prepared by IEC/TC 13 "Electrical energy measurement, tariff- and load control" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 62056-8-3:2013.

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) 2014-03-20
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2016-06-20

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In the official version, for Bibliography, the following note has to be added for the standard indicated:

IEC 61334-4-512:2001 NOTE Harmonized as EN 61334-4-512:2002 (not modified).

Annex ZA (normative)

Normative references to international publications with their corresponding European publications

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

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	Series	International Electrotechnical Vocabulary (IEV)	-	-
IEC 61334-4-1	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 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 61334-4-511	2000	Distribution automation using distribution line carrier systems - Part 4-511: Data communication protocols - Systems management - CIASE protocol	EN 61334-4-511	2000
IEC 61334-5-1	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 62051	1999	Electricity metering - Glossary of terms	-	-
IEC/TR 62051-1 + corr. June	2004 2005	Electricity metering - Data exchange for meter reading, tariff and load control - Glossary of terms - Part 1: Terms related to data exchange with metering equipment using DLMS/COSEM	-	-
IEC 62056-5-3	2013	Electricity metering data exchange - The DLMS/COSEM suite - Part 5-3: DLMS/COSEM application layer	EN 62056-5-3	2013
IEC 62056-6-2	2013	Electricity metering data exchange - The DLMS/COSEM suite - Part 6-2: COSEM interface classes	EN 62056-6-2	2013
IEC 62056-46 + A1	2002 2006	Electricity metering - Data exchange for meter reading, tariff and load control - Part 46: Data link layer using HDLC protocol	EN 62056-46 + A1	2002 2007
ISO/IEC 8802-2 + corr. October	1998 2000	Information technology - Telecommunications - and information exchange between systems - Local and metropolitan area networks - Specific requirements - Part 2: Logical link control	-	-

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CONTENTS

FOREWORD.....	4
1 Scope.....	6
2 Normative references	6
3 Terms, definitions and abbreviations	7
3.1 Terms and definitions	7
3.2 Abbreviations	8
4 Targeted communication environments.....	9
5 Reference model	11
6 The physical layer (PhL).....	11
7 The data link layer	12
7.1 General	12
7.2 The MAC sublayer.....	12
7.3 The connectionless LLC sublayer	12
7.4 The HDLC based LLC sublayer	13
7.5 Co-existence of the connectionless and the HDLC based LLC sublayers.....	13
8 The application layer (AL).....	14
9 The application process (AP).....	14
10 The Configuration Initiation Application Service Element (CIASE)	14
10.1 Overview	14
10.2 The Discover service.....	14
10.3 The Register service	15
10.4 The Ping Service.....	15
10.5 The RepeaterCall service	17
10.6 The ClearAlarm service	19
10.7 The Intelligent Search Initiator process	21
10.7.1 General	21
10.7.2 Operation	21
10.8 The Discovery and Registration process.....	24
10.9 Abstract and transfer syntax.....	28
11 Addressing	28
11.1 General.....	28
11.2 IEC 61334-5-1 MAC addresses	28
11.3 Reserved special LLC addresses	28
11.3.1 General	28
11.3.2 Reserved addresses for the IEC 61334-4-32 LLC sublayer.....	29
11.3.3 Reserved addresses for the HDLC based LLC sublayer.....	29
11.3.4 Source and destination APs and addresses of CI-PDUs	30
12 Specific considerations / constraints for the IEC 61334-4-32 LLC sublayer based profile.....	31
12.1 Establishing application associations.....	31
12.2 Application association types, confirmed and unconfirmed xDLMS services	33
12.3 xDLMS client/server type services.....	33
12.4 Releasing application associations.....	33
12.5 Service parameters of the COSEM-OPEN / -RELEASE / -ABORT services.....	34
12.6 The EventNotification service and the TriggerEventNotificationSending service	34

12.7	Transporting long messages.....	35
12.8	Broadcasting	35
13	Specific considerations / constraints for the HDLC LLC sublayer based profile	35
13.1	Establishing Application Associations	35
13.2	Application association types, confirmed and unconfirmed xDLMS services	36
13.3	xDLMS client/server type services	37
13.4	Correspondence between AAs and data link layer connections, releasing AAs	37
13.5	Service parameters of the COSEM-OPEN/ -RELEASE/ -ABORT services.....	37
13.6	The EventNotification service and protocol.....	37
13.7	Transporting long messages.....	37
13.8	Broadcasting	37
14	Abstract syntax of CIASE APDUs	37
	Annex A (informative) S-FSK PLC encoding examples.....	39
	Bibliography.....	51
	Index	52
	Figure 1 – Communication architecture.....	10
	Figure 2 – The DLMS/COSEM S-FSK PLC communication profile.....	11
	Figure 3 – Co-existence of the connectionless and the HDLC based LLC sublayers.....	13
	Figure 4 – Intelligent Search Initiator process flow chart.....	22
	Figure 5 – The Discovery and Registration process	25
	Figure 6 – MSC for the discovery and registration process.....	32
	Figure 7 – MSC for successful confirmed AA establishment.....	32
	Figure 8 – MSC for releasing an Application Association	34
	Figure 9 – MSC for an EventNotification service	35
	Figure 10 – MSC for the Discovery and Registration process	36
	Figure 11 – MSC for successful confirmed AA establishment and the GET service	36
	Table 1 – Service parameters of the Discover service primitives	15
	Table 2 – Service parameters of the Register service primitives	15
	Table 3 – Service parameters of the PING service primitives	16
	Table 4 – Service parameters of the RepeaterCall service primitives	17
	Table 5 – Service parameters of the ClearAlarm service primitives	20
	Table 6 – MAC addresses.....	28
	Table 7 – Reserved IEC 61334-4-32 LLC addresses on the client side	29
	Table 8 – Reserved IEC 61334-4-32 LLC addresses on the server side.....	29
	Table 9 – Reserved HDLC based LLC addresses on the client side	29
	Table 10 – Reserved HDLC based LLC addresses on the server side.....	29
	Table 11 – Source and Destination APs and addresses of CI-PDUs.....	31
	Table 12 – Application associations and data exchange in the S-FSK PLC profile using the connectionless LLC sublayer	33

INTERNATIONAL ELECTROTECHNICAL COMMISSION

**ELECTRICITY METERING DATA EXCHANGE –
THE DLMS/COSEM SUITE –**

Part 8-3: Communication profile for PLC S-FSK neighbourhood networks

FOREWORD

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The provider of the maintenance service has assured the IEC that he is willing to provide services under reasonable and non-discriminatory terms and conditions for applicants throughout the world. In this respect, the statement of the provider of the maintenance service is registered with the IEC. Information may be obtained from:

DLMS¹ User Association
Zug/Switzerland
www.dlms.ch

¹ Device Language Message Specification.

International Standard IEC 62056-8-3 has been prepared by technical committee 13: Electrical energy measurement, tariff- and load control.

The text of this standard is based on the following documents:

FDIS	Report on voting
13/1526/FDIS	13/1544/RVD

Full information on the voting for the approval of this standard can be found in the report on voting indicated in the above table.

This publication has been drafted in accordance with the ISO/IEC Directives, Part 2.

A list of all the parts in the IEC 62056 series, published under the general title *Electricity metering data exchange – The DLMS/COSEM suite*, can be found on the IEC website.

Future standards in this series will carry the new general title as cited above. Titles of existing standards in this series will be updated at the time of the next edition.

The committee has decided that the contents of this publication will remain unchanged until the stability date indicated on the IEC web site under "<http://webstore.iec.ch>" in the data related to the specific publication. At this date, the publication will be

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- withdrawn,
- replaced by a revised edition, or
- amended.

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ELECTRICITY METERING DATA EXCHANGE – THE DLMS/COSEM SUITE –

Part 8-3: Communication profile for PLC S-FSK neighbourhood networks

1 Scope

This part of IEC 62056 specifies the DLMS/COSEM PLC S-SFK communication profile for neighbourhood networks.

It uses standards established by IEC TC 57 in the IEC 61334 series, *Distribution automation using distribution line carrier systems* and it specifies extensions to some of those standards.

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

IEC 60050 (all parts), *International Electrotechnical Vocabulary* (available at <http://www.electropedia.org>)

IEC 61334-4-1:1996, *Distribution automation using distribution line carrier systems – Part 4: Data communication protocols – Section 1: Reference model of the communication system*

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)*

IEC 61334-4-511:2000, *Distribution automation using distribution line carrier systems – Part 4-511: Data communication protocols – Systems management – CIASE protocol*

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*

IEC/TR 62051:1999, *Electricity metering – Glossary of terms*

IEC/TR 62051-1:2004, *Electricity metering – Data exchange for meter reading, tariff and load control – Glossary of terms – Part 1: Terms related to data exchange with metering equipment using DLMS/COSEM*

IEC 62056-46:2002, *Electricity metering – Data exchange for meter reading, tariff and load control – Part 46: Data link layer using HDLC protocol*
Amendment 1:2006

IEC 62056-5-3:—, *Electricity metering data exchange – The DLMS/COSEM suite – Part 5-3: DLMS/COSEM application layer²*

² To be published simultaneously with this part of IEC 62056.

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