



National Standards Authority of Ireland

IRISH STANDARD

**I.S. EN 62056-62:2007**

ICS 91.140.50  
35.200

**ELECTRICITY METERING - DATA  
EXCHANGE FOR METER READING, TARIFF  
AND LOAD CONTROL -- PART 62:  
INTERFACE CLASSES (IEC 62056-62:2006  
(EQV))**

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EUROPEAN STANDARD  
NORME EUROPÉENNE  
EUROPÄISCHE NORM

**EN 62056-62**

February 2007

ICS 91.140.50; 35.200

Supersedes EN 62056-62:2002

English version

**Electricity metering -  
Data exchange for meter reading, tariff and load control -  
Part 62: Interface classes  
(IEC 62056-62:2006)**

Equipements de mesure  
de l'énergie électrique -  
Echange des données  
pour la lecture des compteurs,  
le contrôle des tarifs et de la charge -  
Partie 62: Classes d'interface  
(CEI 62056-62:2006)

Messung der elektrischen Energie -  
Zählerstandsübertragung,  
Tarif- und Laststeuerung -  
Teil 62: Interface-Klassen  
(IEC 62056-62:2006)

This European Standard was approved by CENELEC on 2006-12-01. 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.

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, Bulgaria, Cyprus, the Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and the 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**

## Foreword

The text of document 13/1389/FDIS, future edition 2 of IEC 62056-62, prepared by IEC TC 13, Equipment for electrical energy measurement and load control, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 62056-62 on 2006-12-01.

This European Standard supersedes EN 62056-62:2002.

It includes the following significant technical changes with respect to EN 62056-62:2002:

- the list of common data types has been amended, some new types have been added;
- formatting for floating point numbers has been added;
- new HLS mechanisms have been added;
- instance specific data types have been replaced with a well-defined set of applicable data types;
- new units have been added;
- encoding of `application_context_name` and `authentication_mechanism_name` attributes of the Association LN class has been clarified;
- new interface classes “Register table” and “Status mapping” have been added;
- a new version of the “IEC local port setup”, “Modem configuration”, “Auto connect” and “HDLC setup” interface classes have been added;
- new interface classes for setting up a TCP/IP based communication profile have been added. References to related IETF RFCs and standards, as well as related definitions have been added;
- several amendments in Annex D “Relation to OBIS” have been made.

The following dates were fixed:

- |  |                       |
|--|-----------------------|
| – latest date by which the EN has to be implemented<br>at national level by publication of an identical<br>national standard or by endorsement | (dop)      2007-09-01 |
| – latest date by which the national standards conflicting<br>with the EN have to be withdrawn  | (dow)      2009-12-01 |

The International Electrotechnical Commission (IEC) and CENELEC draw attention to the fact that it is claimed that compliance with this International Standard / European Standard may involve the use of a maintenance service concerning the stack of protocols on which the present standard IEC 62056-62 / EN 62056-62 is based.

The IEC and CENELEC take no position concerning the evidence, validity and scope of this maintenance service.

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 with applicants throughout the world. In this respect, the statement of the provider of the maintenance service is registered with the IEC. Information (see also 4.6.2 and Annex E) may be obtained from:

DLMS <sup>1)</sup> User Association  
Geneva / Switzerland  
[www.dlms.ch](http://www.dlms.ch)

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<sup>1)</sup> Device Language Message Specification

Annex ZA has been added by CENELEC.

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### **Endorsement notice**

The text of the International Standard IEC 62056-62:2006 was approved by CENELEC as a European Standard without any modification.

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

IEC 61334-6	NOTE Harmonized as EN 61334-6:2000 (not modified).
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## Annex ZA (normative)

### Normative references to international publications with their corresponding European publications

The following referenced documents are indispensable for the application 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 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 60050-300	2001	International Electrotechnical Vocabulary - Electrical and electronic measurements and measuring instruments - Part 311: General terms relating to measurements - Part 312: General terms relating to electrical measurements - Part 313: Types of electrical measuring instruments - Part 314: Specific terms according to the type of instrument	-	-
IEC 60559	1989	Binary floating-point arithmetic for microprocessor systems	HD 592 S1	1991
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/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 using DLMS/COSEM	-	-
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 62056-46 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
IEC 62056-47	2006	Electricity metering - Data exchange for meter reading, tariff and load control - Part 47: COSEM transport layers for IPv4 networks	EN 62056-47	2007

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