

# SLOVENSKI STANDARD

## SIST EN 62056-6-1:2013

01-oktober-2013

Nadomešča:

SIST EN 62056-61:2007

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**Merjenje električne energije - Izmenjevanje podatkov za odbiranja stanja števec, tarife in obremenitve - 61. del: Sistem za prepoznavanje objektov (IEC 62056-6-1:2013)**

Electricity metering data exchange - The DLMS/COSEM suite - Part 6-1: COSEM Object Identification System (OBIS) (IEC 62056-6-1:2013)

**iTeh STANDARD PREVIEW**  
(standards preview)  
Datenkommunikation der elektrischen Energiemessung - DLMS/COSEM - Teil 6-1: COSEM Object Identification System (OBIS) (IEC 62056-6-1:2013)

SIST EN 62056-6-1:2013  
Echange de données dans les équipements de mesure de l'énergie électrique - La suite DLMS/COSEM -- Partie 6-1: Système d'identification d'objets COSEM (OBIS) (CEI 62056-6-1:2013)

**Ta slovenski standard je istoveten z: EN 62056-6-1:2013**

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**ICS:**

17.220.20	Merjenje električnih in magnetnih veličin	Measurement of electrical and magnetic quantities
35.040	Nabori znakov in kodiranje informacij	Character sets and information coding
91.140.50	Sistemi za oskrbo z elektriko	Electricity supply systems

**SIST EN 62056-6-1:2013**

**en**

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EUROPEAN STANDARD  
NORME EUROPÉENNE  
EUROPÄISCHE NORM

# EN 62056-6-1

August 2013

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English version

**Electricity metering data exchange -  
The DLMS/COSEM suite -  
Part 6-1: Object Identification System (OBIS)  
(IEC 62056-6-1:2013)**

Echange des données de comptage de  
l'électricité -  
La suite DLMS/COSEM -  
Partie 6-1: Système d'identification des  
objets (OBIS)  
(CEI 62056-6-1:2013)

Datenkommunikation der elektrischen  
Energiemessung -  
DLMS/COSEM -  
Teil 6-1: COSEM Object Identification  
System (OBIS)  
(IEC 62056-6-1:2013)

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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 13/1524/FDIS, future edition 1 of IEC 62056-6-1, 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 62056-6-1:2013.

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) 2014-04-04
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2016-07-04

EN 62056-6-1:2013 cancels and replaces EN 62056-61 published in 2007. It constitutes a technical revision.

The significant technical changes with respect to EN 62056-61 are listed in Annex B.

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## 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/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 62053-23	2003	Electricity metering equipment (a.c.) - Particular requirements - Part 23: Static meters for reactive energy (classes 2 and 3)	EN 62053-23	2003
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 62056-21	2002	Electricity metering - Data exchange for meter reading, tariff and load control - Part 21: Direct local data exchange	EN 62056-21	2002

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IEC 62056-6-1

Edition 1.0 2013-05

# INTERNATIONAL STANDARD

## NORME INTERNATIONALE

**Electricity metering data exchange – The DLMS/COSEM suite –  
Part 6-1: Object Identification System (OBIS)**

**Échange des données de comptage de l'électricité – La suite DLMS/COSEM –  
Partie 6-1: Système d'identification des objets (OBIS)**

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## INTERNATIONAL ELECTROTECHNICAL COMMISSION

**ELECTRICITY METERING DATA EXCHANGE –  
THE DLMS/COSEM SUITE –****Part 6-1: Object Identification System (OBIS)****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:

DLMS<sup>1</sup> User Association  
Zug/Switzerland  
www.dlms.ch

International Standard IEC 62056-6-1 has been prepared by IEC technical committee 13: Electrical energy measurement, tariff- and load control.

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

This edition cancels and replaces IEC 62056-61 published in 2006. It constitutes a technical revision.

The significant technical changes with respect to IEC 62056-61 are listed in Annex B.

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

FDIS	Report on voting
13/1524/FDIS	13/1542/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 numbering scheme has changed from IEC 62056-XY to IEC 62056-X-Y. For example IEC 62056-61 becomes IEC 62056-6-1.

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

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

## INTRODUCTION

The competitive electricity market requires an ever-increasing amount of timely information concerning the usage of electrical energy. Recent technology developments enable to build intelligent static metering equipment, which is capable of capturing, processing and communicating this information to all parties involved.

To facilitate the analysis of metering information, for the purposes of billing, load-, customer- and contract management, it is necessary to uniquely identify data items, whether collected manually or automatically, via local or remote data exchange, in a manufacturer-independent way. The definition of identification codes to achieve this – the OBIS codes – is based on DIN 43863-3:1997, *Electricity meters – Part 3: Tariff metering device as additional equipment for electricity meters – EDIS – Energy Data Identification System*.

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