



National Standards Authority of Ireland

IRISH STANDARD

I.S. EN 61970-501:2006

ICS 33.200

**ENERGY MANAGEMENT SYSTEM  
APPLICATION PROGRAM INTERFACE  
(EMS-API) -- PART 501: COMMON  
INFORMATION MODEL RESOURCE  
DESCRIPTION FRAMEWORK (CIM RDF)  
SCHEMA**

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EUROPEAN STANDARD  
NORME EUROPÉENNE  
EUROPÄISCHE NORM

**EN 61970-501**

June 2006

ICS 33.200

English version

**Energy management system application program interface (EMS-API)  
Part 501: Common Information Model Resource Description Framework  
(CIM RDF) schema  
(IEC 61970-501:2006)**

Système de gestion d'énergie  
Interface de programmation d'application  
(EMS-API)  
Partie 501: Schéma de cadre général  
pour la description des ressources  
du modèle d'information commun  
(CIM RDF)  
(CEI 61970-501:2006)

Anwendungsprogramm-Schnittstelle  
für Netzführungssysteme (EMS-API)  
Teil 501: Allgemeines Informationsmodell  
(CIM) –  
Resource Description Framework  
(CIM RDF) Schema  
(IEC 61970-501:2006)

This European Standard was approved by CENELEC on 2006-04-01. 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, 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 57/801/FDIS, future edition 1 of IEC 61970-501, prepared by IEC TC 57, Power systems management and associated information exchange, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 61970-501 on 2006-04-01.

The following dates were fixed:

- |                                                                                                                                          |       |            |
|------------------------------------------------------------------------------------------------------------------------------------------|-------|------------|
| – latest date by which the EN has to be implemented at national level by publication of an identical national standard or by endorsement | (dop) | 2007-01-01 |
| – latest date by which the national standards conflicting with the EN have to be withdrawn                                               | (dow) | 2009-04-01 |

Annex ZA has been added by CENELEC.

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## Endorsement notice

The text of the International Standard IEC 61970-501:2006 was approved by CENELEC as a European Standard without any modification.

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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 61970-1	- <sup>1)</sup>	Energy management system application program interface (EMS-API) Part 1: Guidelines and general requirements	EN 61970-1	2006 <sup>2)</sup>
IEC/TS 61970-2	- <sup>1)</sup>	Energy management system application program interface (EMS-API) Part 2: Glossary	-	-
IEC 61970-301	- <sup>1)</sup>	Energy management system application program interface (EMS-API) Part 301: Common Information Model (CIM) Base	EN 61970-301	2004 <sup>2)</sup>
IEC 60050	Series	International Electrotechnical Vocabulary (IEV)	-	-

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<sup>1)</sup> Undated reference.

<sup>2)</sup> Valid edition at date of issue.



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