



National Standards Authority of Ireland

IRISH STANDARD

**I.S. EN 61970-1:2006**

ICS 22.200

**ENERGY MANAGEMENT SYSTEM  
APPLICATION PROGRAM INTERFACE  
(EMS-API) -- PART 1: GUIDELINES AND  
GENERAL REQUIREMENTS**

National Standards  
Authority of Ireland  
Glasnevin, Dublin 9  
Ireland

Tel: +353 1 807 3800  
Fax: +353 1 807 3838  
<http://www.nsai.ie>

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EUROPEAN STANDARD  
NORME EUROPÉENNE  
EUROPÄISCHE NORM

**EN 61970-1**

May 2006

ICS 33.200

English version

**Energy management system application program interface (EMS-API)  
Part 1: Guidelines and general requirements  
(IEC 61970-1:2005)**

Interface de programmation d'application  
pour système de gestion d'énergie  
(EMS-API)  
Partie 1: Lignes directrices et exigences  
générales  
(CEI 61970-1:2005)

Schnittstelle der Anwendungsprotokolle  
von Energiieverwaltungssystemen  
(EMS-API)  
Teil 1: Leitfaden und allgemeine  
Anforderungen  
(IEC 61970-1:2005)

This European Standard was approved by CENELEC on 2005-12-01. 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.

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**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 57/777/FDIS, future edition 1 of IEC 61970-1, 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 61970-1 on 2005-12-01.

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) 2006-12-01
- latest date by which the national standards conflicting  
with the EN have to be withdrawn (dow) 2008-12-01

Annex ZA has been added by CENELEC.

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## Endorsement notice

The text of the International Standard IEC 61970-1:2005 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 61968	NOTE Harmonized in the EN 61968 series (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 Where 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 61970-2	– <sup>1)</sup>	Energy management system application program interface (EMS-API) Part 2: Glossary	CLC/TS 61970-2	2005 <sup>2)</sup>
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>

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

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



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