



NSAI
Standards

Irish Standard
I.S. EN 61970-402:2008

Energy management system application program interface (EMS- API) -- Part 402: Common services (IEC 61970-402:2008 (EQV))

I.S. EN 61970-402:2008

Incorporating amendments/corrigenda issued since publication:

<i>This document replaces:</i>	<i>This document is based on:</i> EN 61970-402:2008	<i>Published:</i> 29 August, 2008
This document was published under the authority of the NSAI and comes into effect on: 28 October, 2008		ICS number: 33.200
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Price Code: L		
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EUROPEAN STANDARD

EN 61970-402

NORME EUROPÉENNE

EUROPÄISCHE NORM

August 2008

ICS 33.200

English version

**Energy management system application program interface (EMS-API) -
Part 402: Common services
(IEC 61970-402:2008)**

Interface de programmation d'application
pour systèmes de gestion d'énergie
(EMS-API) -
Partie 402: Services communs
(CEI 61970-402:2008)

Schnittstelle für Anwendungsprogramme
für Netzführungssysteme (EMS-API) -
Teil 402: Allgemeine Dienste
(IEC 61970-402:2008)

This European Standard was approved by CENELEC on 2008-07-01. 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

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Foreword

The text of document 57/928/FDIS, future edition 1 of IEC 61970-402, 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 61970-402 on 2008-07-01.

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) 2009-04-01
- latest date by which the national standards conflicting
with the EN have to be withdrawn (dow) 2011-07-01

Annex ZA has been added by CENELEC.

Endorsement notice

The text of the International Standard IEC 61970-402:2008 was approved by CENELEC as a European Standard without any modification.

In the official version, for Bibliography, the following notes have to be added for the standards indicated:

IEC 61850-7-2	NOTE Harmonized as EN 61850-7-2:2003 (not modified).
IEC 61968	NOTE Harmonized in EN 61968 series (not modified).
IEC 61968-1	NOTE Harmonized as EN 61968-1:2004 (not modified).
IEC 61968-3	NOTE Harmonized as EN 61968-3:2004 (not modified).
IEC 61970-301	NOTE Harmonized as EN 61970-301:2004 (not modified).

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	- ¹⁾	Energy management system application program interface (EMS-API) - Part 1: Guidelines and general requirements	EN 61970-1	2006 ²⁾
IEC/TS 61970-2	- ¹⁾	Energy management system application program interface (EMS-API) - Part 2: Glossary	CLC/TS 61970-2	2005 ²⁾
IEC/TS 61970-401	- ¹⁾	Energy management system application program interface (EMS-API) - Part 401: Component interface specification (CIS) framework	-	-
IEC 61970-403	- ¹⁾	Energy management system application program interface (EMS-API) - Part 403: Generic data access	EN 61970-403	2008 ²⁾
IEC 61970-404	- ¹⁾	Energy management system application program interface (EMS-API) - Part 404: High Speed Data Access (HSDA)	EN 61970-404	2007 ²⁾
IEC 61970-405	- ¹⁾	Energy management system application program interface (EMS-API) - Part 405: Generic Eventing and Subscription (GES)	EN 61970-405	2007 ²⁾
IEC 61970-407	- ¹⁾	Energy management system application program interface (EMS-API) - Part 407: Time Series Data Access (TSDA)	EN 61970-407	2007 ²⁾
OMG DAF	2002	Utility Management System (UMS) Data Access Facility (DAF)	-	-

¹⁾ Undated reference.

²⁾ Valid edition at date of issue.



IEC 61970-402

Edition 1.0 2008-06

INTERNATIONAL STANDARD

**Energy management system application program interface (EMS-API) –
Part 402: Common services**

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