



National Standards Authority of Ireland
Údarás um Chaighdeáin Náisiúnta na hÉireann

IRISH STANDARD

I.S. EN 61970-405:2007

ICS 33.200

**ENERGY MANAGEMENT SYSTEM
APPLICATION PROGRAM INTERFACE
(EMS-API) -- PART 405: GENERIC
EVENTING AND SUBSCRIPTION (GES) (IEC
61970-405:2007 (EQV))**

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I.S. EN 61970-405:2007

EUROPEAN STANDARD

EN 61970-405

NORME EUROPÉENNE

EUROPÄISCHE NORM

September 2007

ICS 33.200

English version

**Energy management system application program interface (EMS-API) -
Part 405: Generic Eventing and Subscription (GES)
(IEC 61970-405:2007)**

Interface de programmation d'application
pour système de gestion d'énergie
(EMS-API) -
Partie 405: Événements génériques
et souscriptions (GES)
(CEI 61970-405:2007)

Schnittstelle für Anwendungsprogramme
für Energiemanagementsysteme
(EMS-API) -
Teil 405: Übermitteln
von Ereignismeldungen (GES)
(IEC 61970-405:2007)

This European Standard was approved by CENELEC on 2007-09-01. 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

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Foreword

The text of document 57/888/FDIS, future edition 1 of IEC 61970-405, 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 61970-405 on 2007-09-01.

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) 2008-06-01
- latest date by which the national standards conflicting
with the EN have to be withdrawn (dow) 2010-09-01

Annex ZA has been added by CENELEC.

Endorsement notice

The text of the International Standard IEC 61970-405:2007 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 61968-1	NOTE	Harmonized as EN 61968-1:2004 (not modified).
IEC 61968-3	NOTE	Harmonized as EN 61968-3:2004 (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	2005	Energy management system application program interface (EMS-API) - Part 1: Guidelines and general requirements	EN 61970-1	2006
IEC/TS 61970-2	– ¹⁾	Energy management system application program interface (EMS-API) - Part 2: Glossary	CLC/TS 61970-2	2005 ²⁾
IEC 61970-301	2003	Energy management system application program interface (EMS-API) - Part 301: Common Information Model (CIM) Base	EN 61970-301	2004
IEC/TS 61970-401	– ¹⁾	Energy management system application program interface (EMS-API) - Part 401: Component interface specification (CIS) framework	–	–
IEC 61970-402	– ³⁾	Energy management system application program interface (EMS-API) - Part 402: Component Interface Specification (CIS) - Common services	–	–
OMG DAIS A&E	2005	Data Acquisition from Industrial Systems section Alarms and Events (DAIS A&E)	–	–
OMG DAF	2005	Utility Management System (UMS) Data Access Facility (DAF)	–	–
OPC A&E	2002	OPC Alarms and Events Specification	–	–

¹⁾ Undated reference.

²⁾ Valid edition at date of issue.

³⁾ At draft stage.

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