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**Aplikacijski programski vmesnik za sistem upravljanja z energijo (EMS-API) - 301.  
del: Osnova skupnega informacijskega modela (CIM)**

Energy management system application program interface (EMS-API) - Part 301:  
Common information model (CIM) base

**iTeh STANDARD PREVIEW**

Interface de programmation d'application pour système de gestion d'énergie (EMS-API) -  
Part 301: Base de modèle d'information commun (CIM)

[SIST EN 61970-301:2014](https://standards.itih.ai/catalog/standards/sist/75793608-d861-4d0d-008a-5d6122731ab6/sist-en-61970-301-2014)

**Ta slovenski standard je istoveten z: EN 61970-301:2014**

**ICS:**

29.240.30	Krmilna oprema za elektroenergetske sisteme	Control equipment for electric power systems
35.200	Vmesniška in povezovalna oprema	Interface and interconnection equipment

**SIST EN 61970-301:2014****en**

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EUROPEAN STANDARD

**EN 61970-301**

NORME EUROPÉENNE

EUROPÄISCHE NORM

July 2014

ICS 33.200

Supersedes EN 61970-301:2013

English Version

**Energy management system application program interface  
(EMS-API) - Part 301: Common information model (CIM) base  
(IEC 61970-301:2013)**

Interface de programmation d'application pour système de  
gestion d'énergie (EMS-API) - Part 301: Base de modèle  
d'information commun (CIM)  
(CEI 61970-301:2013)

Schnittstelle für Anwendungsprogramme für  
Netzführungssysteme (EMS-API) - Teil 301: Allgemeines  
Informationsmodell (CIM)  
(IEC 61970-301:2013)

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**CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels**

## Foreword

The text of document 57/1395/FDIS, future edition 5 of IEC 61970-301, prepared by IEC TC 57 "Power systems management and associated information exchange" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 61970-301:2014.

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) 2015-01-18
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2017-01-17

This document supersedes EN 61970-301:2013.

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

IEC 61968-11	NOTE	Harmonised in EN 61968-11.
IEC 61970-501	NOTE	Harmonised as EN 61970-501.

## 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 60050	(Series)	International Electrotechnical Vocabulary (IEV)	-	-
IEC 60870-6	(Series)	Telecontrol equipment and systems - Part 6-802: Telecontrol protocols compatible with ISO standards and ITU-T recommendations - TASE.2 Object models	EN 60870-6	(Series)
IEC 61850	(Series)	Communication networks and systems for power utility automation	EN 61850	(Series)
IEC 61850-7-3	2010	Communication networks and systems for power utility automation - Part 7-3: Basic communication structure - Common data classes	EN 61850-7-3	2011
IEC 61850-7-4	2010	Communication networks and systems for power utility automation - Part 7-4: Basic communication structure - Compatible logical node classes and data object classes	EN 61850-7-4	2010
IEC 61968	(Series)	Application integration at electric utilities - System interfaces for distribution management	EN 61968	(Series)
IEC/TS 61970-2		Energy management system application program interface (EMS-API) - Part 2: Glossary	CLC/TS 61970-2	
IEC 62325	(Series)	Framework for energy market communications	EN 62325	(Series)
UML 2.0 - Object Group Management		Object Management Group: UML 2.0 Specification	-	-

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IEC 61970-301

Edition 5.0 2013-12

# INTERNATIONAL STANDARD

## NORME INTERNATIONALE



**Energy management system application program interface (EMS-API) –  
Part 301: Common information model (CIM) base**

**Interface de programmation d'application pour système de gestion d'énergie  
(EMS-API) –  
Partie 301: Base de modèle d'information commun (CIM)**

INTERNATIONAL  
ELECTROTECHNICAL  
COMMISSION

COMMISSION  
ELECTROTECHNIQUE  
INTERNATIONALE

PRICE CODE  
CODE PRIX

**XH**

ICS 33.200

ISBN 978-2-8322-1291-2

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SIST EN 61970-301:2014

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