

**SLOVENSKI STANDARD**  
**SIST EN 61970-453:2014/A1:2019**  
**01-marec-2019**

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**Aplikacijski programski vmesnik za sistem upravljanja z energijo (EMS-API) - 453.**  
**del: Profil razporeditve diagramov**

Energy management system application program interface (EMS-API) - Part 453:  
Diagram layout profile

Schnittstelle für Anwendungsprogramme für Netzführungssysteme (EMS-API) - Teil 453:  
Diagramm Entwurfsprofil

Interface de programmation d'application pour système de gestion d'énergie (EMS-API) -  
Partie 453: Profil de disposition du diagramme

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**Ta slovenski standard je istoveten z: EN 61970-453:2014/A1:2019**

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**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

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EUROPEAN STANDARD

**EN 61970-453:2014/A1**

NORME EUROPÉENNE

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January 2019

ICS 33.200

English Version

Energy management system application program interface  
(EMS-API) - Part 453: Diagram layout profile  
(IEC 61970-453:2014/A1:2018)

Interface de programmation d'application pour système de  
gestion d'énergie (EMS-API) - Partie 453: Profil de  
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Schnittstelle für Anwendungsprogramme für  
Netzführungssysteme (EMS-API) - Teil 453: Diagramm  
Entwurfsprofile  
(IEC 61970-453:2014/A1:2018)

This amendment A1 modifies the European Standard EN 61970-453:2014; it was approved by CENELEC on 2018-12-27. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this amendment the status of a national standard without any alteration.

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This amendment 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 CEN-CENELEC Management Centre has the same status as the official versions.

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European Committee for Electrotechnical Standardization  
Comité Européen de Normalisation Electrotechnique  
Europäisches Komitee für Elektrotechnische Normung

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

**EN 61970-453:2014/A1:2019 (E)****European foreword**

The text of document 57/2038/FDIS, future IEC 61970-453/A1, 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 61970-453:2014/A1:2019.

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) 2019-09-27
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2021-12-27

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The text of the International Standard IEC 61970-453:2014/A1:2018 was approved by CENELEC as a European Standard without any modification.



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# INTERNATIONAL STANDARD

# NORME INTERNATIONALE



AMENDMENT 1  
AMENDEMENT 1

Energy management system application program interface (EMS-API) –  
Part 453: Diagram layout profile

Interface de programmation d'application pour système de gestion d'énergie  
(EMS-API) –  
Partie 453: Profil de disposition de diagramme

INTERNATIONAL  
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## FOREWORD

This amendment has been prepared by IEC technical committee 57: Power systems management and associated information exchange.

The text of this standard is based on the following documents:

FDIS	Report on voting
57/2038/FDIS	57/2054/RVD

Full information on the voting for the approval of this amendment can be found in the report on voting indicated in the above table.

This publication has been drafted in accordance with the ISO/IEC Directives, Part 2.

The committee has decided that the contents of this amendment and the base publication will remain unchanged until the stability date indicated on the IEC website under "http://webstore.iec.ch" in the data related to the specific publication. At this date, the publication will be

- reconfirmed,
- withdrawn,
- replaced by a revised edition, or
- amended.

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## 5 Diagram layout exchange profile

### 5.1 General

Replace the first line of Subclause 5.1 with the following new text:

Profile namespace: <http://iec.ch/TC57/61970-453/DiagramLayout/3#>

### 5.2 Diagram layout profile classes

#### 5.2.1 General

Replace the existing Figure 5 by the following new Figure 5:

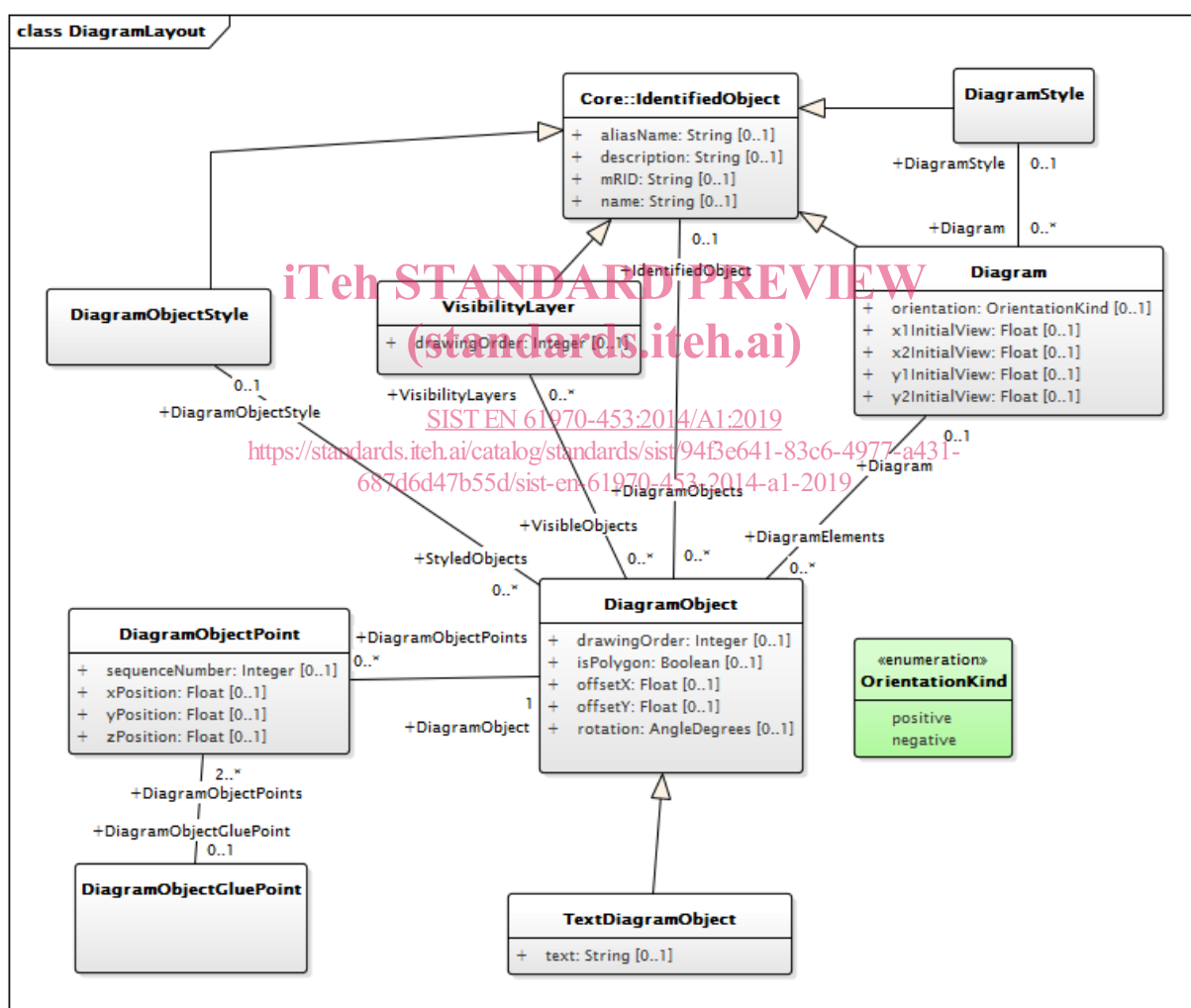


Figure 5 – Diagram layout information model

## 5.2.2 Diagram

### 5.2.2.3 Inherited members

Add the following new rows at the end of the table of inherited members:

aliasName	0..1	String	see IdentifiedObject
description	0..1	String	see IdentifiedObject

## 5.2.3 DiagramObject

### 5.2.3.2 Native members

Add the following new row at the end of the table of native members:

DiagramStyle	0..1	DiagramStyle	A Diagram may have a DiagramStyle.
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### 5.2.3.3 Inherited members

Add the following new rows at the end of the table of inherited members:

aliasName	0..1	String	see IdentifiedObject
description	0..1	String	see IdentifiedObject

## 5.2.6 DiagramObjectStyle

### 5.2.6.2 Inherited members

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Add the following new rows at the end of the table of inherited members:

aliasName	0..1	String	see IdentifiedObject
description	0..1	String	see IdentifiedObject

## 5.2.7 TextDiagramObject

### 5.2.7.3 Inherited members

Add the following new rows at the end of the table of inherited members:

aliasName	0..1	String	see IdentifiedObject
description	0..1	String	see IdentifiedObject

## 5.2.8 VisibilityLayer

### 5.2.8.3 Inherited members

Add the following new rows at the end of the table of inherited members:

aliasName	0..1	String	see IdentifiedObject
description	0..1	String	see IdentifiedObject