

STN	Rozhranie aplikačného programu pre systémy riadenia elektrickej energie (EMS-API). Časť 456: Stanovené profily riešenej elektrizačnej sústavy. Zmena A1	STN EN 61970-456/A1 33 4621
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Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 07/16

STN EN 61970-456 z januára 2014 sa bez zmeny A1 môže používať do 03. 11. 2018.

Obsahuje: EN 61970-456:2013/A1:2016, IEC 61970-456:2013/AMD1:2015

123093

Úrad pre normalizáciu, metrológiu a skúšobníctvo SR, 2016
Podľa zákona č. 264/1999 Z. z. v znení neskorších predpisov sa môžu slovenské technické normy rozmnožovať a rozširovať iba so súhlasom Úradu pre normalizáciu, metrológiu a skúšobníctvo SR.

EUROPEAN STANDARD

EN 61970-456:2013/A1

NORME EUROPÉENNE

EUROPÄISCHE NORM

January 2016

ICS 33.200

English Version

**Energy management system application program interface
(EMS-API) - Part 456: Solved power system state profiles
(IEC 61970-456:2013/A1:2015)**

Interface de programmation d'application pour système de
gestion d'énergie (EMS-API) - Partie 456: Profils d'état de
réseaux électriques résolus
(IEC 61970-456:2013/A1:2015)

Schnittstelle für Anwendungsprogramme für
Netzführungssysteme (EMS-API) - Teil 456: Globale
Stabilitätsbeurteilung in elektrischen Versorgungssystemen
(IEC 61970-456:2013/A1:2015)

This amendment A1 modifies the European Standard EN 61970-456:2013; it was approved by CENELEC on 2015-11-03. 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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European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

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

European foreword

The text of document 57/1591/FDIS, future edition 1 of IEC 61970-456:2013/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 61970-456:2013/A1:2016.

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) 2016-08-03
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2018-11-03

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The text of the International Standard IEC 61970-456:2013/A1:2015 was approved by CENELEC as a European Standard without any modification.



INTERNATIONAL STANDARD

AMENDMENT 1

Energy management system application program interface (EMS-API) – Part 456: Solved power system state profiles





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INTERNATIONAL STANDARD

AMENDMENT 1

Energy management system application program interface (EMS-API) – Part 456: Solved power system state profiles

INTERNATIONAL
ELECTROTECHNICAL
COMMISSION

ICS 33.200

ISBN 978-2-8322-2911-8

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FOREWORD

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

IEC 61970-456:2013 is based on IEC 61970-301 Edition 4 (2013). Both are based on the 61970 UML version CIM14. The amendment is based on IEC 61970-301 Edition 5 (2013) and the 61970 UML version CIM15.

For the Topology profile this amendment includes the following changes with respect to the previous edition:

- a) The classes Name and NameType classes have been added.
- b) The class TopologicalNode has been extended with the role ConnectivityNodeContainer.
- c) The attribute IdentifiedObject.description has been removed.

For the StateVariables profile this edition includes the following changes with respect to the previous edition:

- a) The role TopologicalIsland.TopologicalNodes has been replaced by TopologicalNode.TopologicalIsland.
- b) The documentation of attributes SvPowerFlow.p and SvPowerFlow.q has been updated.
- c) The attribute SvShuntCompensatorSections.sections has been changed from Integer to Float.
- d) The attribute SvShuntCompensatorSections.continuousSections is removed.
- e) The attribute SvTapStep.position is changed from Integer to Float.
- f) The attribute SvTapStep.continuousPosition is removed.
- g) The attribute SvVoltage.angle is changed from radians to degrees.
- h) The data types have been elaborated.

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

FDIS	Report on voting
57/1591/FDIS	57/1620/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.

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.

A bilingual version of this publication may be issued at a later date.

3 Profile information

koniec náhľadu – text ďalej pokračuje v platenej verzii STN