

SLOVENSKI STANDARD**SIST EN 61968-11:2013****01-september-2013****Nadomešča:****SIST EN 61968-11:2010**

Integracija vrst uporabe pri elektropodjetjih - Sistemski vmesniki za upravljanje distribucije - 11. del: Priključki za distribucijo v skupnem informacijskem modelu (IEC 61968-11:2013)

Application integration at electric utilities - System interfaces for distribution management - Part 11: Common information model (CIM) extensions for distribution

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Intégration d'applications pour les services électriciens - Interfaces système pour la gestion de distribution Partie 11 : Extensions du modèle d'information commun (CIM) pour la distribution

Ta slovenski standard je istoveten z: EN 61968-11:2013

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 61968-11:2013**en**

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**EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM**

EN 61968-11

June 2013

ICS 33.200

Supersedes EN 61968-11:2010

English version

**Application integration at electric utilities -
System interfaces for distribution management -
Part 11: Common information model (CIM) extensions for distribution
(IEC 61968-11:2013)**

Intégration d'applications pour les services électriques -
Interfaces système pour la gestion de distribution -
Partie 11 : Extensions du modèle d'information commun (CIM) pour la distribution
(CEI 61968-11:2013)

Integration von Anwendungen in Anlagen der Elektrizitätsversorgung -
Systemschnittstellen für Netzführung -
Teil 11: Erweiterungen des allgemeinen Informationsmodells (CIM) für die Verteilung
(IEC 61968-11:2013)

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Foreword

The text of document 57/1295/FDIS, future edition 2 of IEC 61968-11, 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 61968-11:2013.

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) 2014-01-10
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2016-04-10

This document supersedes EN 61968-11:2010.

EN 61968-11:2013 includes the following significant technical changes with respect to EN 61968-11:2010:

- Introduction of new classes to support flexible naming of identified objects (new classes available in base CIM, EN 61970-301).
- Introduction of new classes to support single line diagrams exchange (new classes available in base CIM, EN 61970-301). **ITEN STANDARD PREVIEW (standards.iteh.ai)**
- Consolidated transmission and distribution models for lines, transformers, switching, sensing and other auxiliary equipment (some Ed.1 classes slightly changed and moved from DCIM to base CIM, EN 61970-301, other new classes available in base CIM, EN 61970-301). [SIST EN 61968-11-2013](https://standards.iteh.arcatalog/standards/sist/dc21/7d58-88cf-40f0-b61a-040c1b051ff4/sist-en-61968-11-2013)
- Support for separate phase definitions, typically needed for unbalanced network modelling (new classes available in base CIM, EN 61970-301).
- Support for temporary network changes through models of cuts, jumpers and clamps (new classes available in base CIM, EN 61970-301).
- Flexible model for organisations and their roles.
- Support for coordinate systems in description of geographical locations.
- Support for configuration events tracking.
- Lightweight model for assets and asset catalogues.
- Support for linkage between network-oriented models and premises-oriented (metering) models.
- Support for premises area network devices.

In informative sections of this document, words printed in Arial Black apply to terms that are used as tokens in the normative clauses (to facilitate the reading and the text search).

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Endorsement notice

The text of the International Standard IEC 61968-11:2013 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 61968-3 | NOTE Harmonized as EN 61968-3. |
| IEC 61968-4 | NOTE Harmonized as EN 61968-4. |
| IEC 61968-9 | NOTE Harmonized as EN 61968-9. |
| IEC 61968-13 | NOTE Harmonized as EN 61968-13. |

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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 60076-1 | - | Power transformers - Part 1: General | EN 60076-1 | - |
| IEC 61968-1 | - | Application integration at electric utilities - System interfaces for distribution management - Part 1: Interface architecture and general requirements | EN 61968-1 | - |
| IEC 61968-2 | - | Application integration at electric utilities - System interfaces for distribution management - Part 2: Glossary | - | - |
| IEC 61970-301 | - | Energy management system application program interface (EMS-API) Part 301: Common information model (CIM) base | EN 61970-301 | - |
| IEC 61970-501 | https://standards.iec.ch/standard/61970-501/13217158-88cf40f0-1616-4400-93c4-66663-11-2013 | Energy management system application program interface (EMS-API) Part 501: Common Information Model Resource Description Framework (CIM RDF) schema | EN 61970-501 | - |
| IEC 62361-100 | - | Harmonization of quality codes across TC 57 - Part 100: Naming and design rules for CIM profiles to XML schema mapping | EN 62361-100 | - |
| IEEE 802.3 | - | IEEE Standard for Information technology - Telecommunications and information exchange between systems - Local and metropolitan area networks - Part 3: Carrier Sense Multiple Access with Collision Detection (CSMA/CD) Access Method and Physical Layer Specifications | - | - |



INTERNATIONAL STANDARD

NORME INTERNATIONALE



**Application integration at electric utilities – System interfaces for distribution management –
(standards.iteh.ai)**
Part 11: Common information model (CIM) extensions for distribution

SIST EN 61968-11:2013
**Intégration d'applications pour les services électriques – Interfaces système pour la gestion de distribution –
Partie 11: Extensions du modèle d'information commun (CIM) pour la distribution**

INTERNATIONAL
ELECTROTECHNICAL
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INTERNATIONALE

PRICE CODE
CODE PRIX
XH

ICS 33.200

ISBN 978-2-83220-662-1

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