



SLOVENSKI STANDARD SIST EN IEC 61968-4:2019

01-september-2019

Nadomešča:
SIST EN 61968-4:2007

Integracija aplikacij v elektropodjetjih - Sistemski vmesniki za upravljanje distribucije – 4. del: Vmesniki za upravljanje (računovodskih) zapisov in premoženja

Application integration at electric utilities - System interfaces for distribution management - Part 4: Interfaces for records and asset management

Integration von Anwendungen in Anlagen der Elektrizitätsversorgung - Systemschnittstellen für Netzführung - Teil 4: Schnittstellen für Berichtswesen und Asset Management

Intégration d'applications pour les services électriques - Système d'interfaces pour la gestion de la distribution - Partie 4: Interfaces pour les enregistrements et la gestion du parc

Ta slovenski standard je istoveten z: EN IEC 61968-4:2019

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 IEC 61968-4

NORME EUROPÉENNE

EUROPÄISCHE NORM

April 2019

ICS 33.200

Supersedes EN 61968-4:2007

English Version

**Application integration at electric utilities - System interfaces for
distribution management - Part 4: Interfaces for records and
asset management
(IEC 61968-4:2019)**

Intégration d'applications pour les services électriques -
Interfaces système pour la gestion de la distribution - Partie
4: Interfaces pour la gestion des dossiers et des actifs
(IEC 61968-4:2019)

Integration von Anwendungen in Anlagen der
Elektrizitätsversorgung - Systemschnittstellen für
Netzführung - Teil 4: Schnittstellen für Berichtswesen und
Asset Management
(IEC 61968-4:2019)

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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 IEC 61968-4:2019 (E)**European foreword**

The text of document 57/2059/FDIS, future edition 2 of IEC 61968-4, 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 IEC 61968-4:2019.

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) 2020-01-12
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2022-04-12

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The text of the International Standard IEC 61968-4:2019 was approved by CENELEC as a European Standard without any modification.

Annex ZA (normative)

Normative references to international publications with their corresponding European publications

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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 1 Where an International Publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

NOTE 2 Up-to-date information on the latest versions of the European Standards listed in this annex is available here: www.cenelec.eu.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 61968-1	2012	Application integration at electric utilities - System interfaces for distribution management - Part 1: Interface architecture and general recommendations	EN 61968-1	2013
IEC 61968-3	2017	Application integration at electric utilities - System interfaces for distribution management - Part 3: Interface for network operations	EN IEC 61968-3	2018
IEC 61968-6	2015	Application integration at electric utilities - System interfaces for distribution management - Part 6: Interfaces for maintenance and construction	EN 61968-6	2016
IEC 61968-9	2013	Application integration at electric utilities - System interfaces for distribution management - Part 9: Interfaces for meter reading and control	EN 61968-9	2014
IEC 61968-11 ¹	2018	Application integration at electric utilities - System interfaces for distribution management - Part 11: Common information model (CIM) extensions for distribution	EN 61968-11 ²	2017
IEC 61968-100	2013	Application integration at electric utilities - System interfaces for distribution management - Part 100: Implementation profiles	EN 61968-100	2013
IEC 61970-301	2016	Energy management system application program interface (EMS-API) - Part 301: Common information model (CIM) base	EN 61970-301	2017

¹ Under preparation. Stage at the time of publication: IEC/CDV 61968-11:2017.

² Under preparation. Stage at the time of publication: prEN IEC 61968-11:2017.

EN IEC 61968-4:2019 (E)

IEC 62361-100	2016	Power systems management and associated information exchange - Interoperability in the long term - Part 100: CIM profiles to XML schema mapping	EN 62361-100	2016
IEC/TR 62361-103	2018	Power systems management and associated information exchange - Interoperability in the long term - Part 103: Standard profiling	-	-
ISO 55000	2014	Asset management - Overview, principles and terminology	-	-
ISO 55001	2014	Asset management - Management systems - Requirements	-	-
ISO 55002	2014	Asset management - Management systems - Guidelines for the application of ISO 55001	-	-

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IEC 61968-4

Edition 2.0 2019-03

INTERNATIONAL STANDARD

NORME INTERNATIONALE



**Application integration at electric utilities – System interfaces for distribution management –
Part 4: Interfaces for records and asset management**

**Intégration d'applications pour les services électriques – Interfaces système pour la gestion de la distribution –
Partie 4: Interfaces pour la gestion des dossiers et des actifs**

INTERNATIONAL
ELECTROTECHNICAL
COMMISSION

COMMISSION
ELECTROTECHNIQUE
INTERNATIONALE

ICS 33.200

ISBN 978-2-8322-6595-6

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

APPLICATION INTEGRATION AT ELECTRIC UTILITIES – SYSTEM INTERFACES FOR DISTRIBUTION MANAGEMENT –

Part 4: Interfaces for records and asset management

FOREWORD

- 1) The International Electrotechnical Commission (IEC) is a worldwide organization for standardization comprising all national electrotechnical committees (IEC National Committees). The object of IEC is to promote international co-operation on all questions concerning standardization in the electrical and electronic fields. To this end and in addition to other activities, IEC publishes International Standards, Technical Specifications, Technical Reports, Publicly Available Specifications (PAS) and Guides (hereafter referred to as "IEC Publication(s)"). Their preparation is entrusted to technical committees; any IEC National Committee interested in the subject dealt with may participate in this preparatory work. International, governmental and non-governmental organizations liaising with the IEC also participate in this preparation. IEC collaborates closely with the International Organization for Standardization (ISO) in accordance with conditions determined by agreement between the two organizations.
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International Standard IEC 61968 has been prepared by subcommittee IEC technical committee 57: Power systems management and associated information exchange.

This second edition cancels and replaces the first edition published in 2007. This edition constitutes a technical revision.

This edition includes the following significant technical changes with respect to the previous edition:

- a) removal of edition 1 profiles whose functionality has been superseded by other parts of IEC 61970 and IEC 61968 standards. In particular, NetworkDataSet and ChangeSet have been superseded by standards such as CDPSM (IEC 61968-13) and other ongoing efforts such as change modelling; and Presentation has been superseded by Diagram Layout Profile (IEC 61970-453);
- b) revision of the edition 1 profiles AssetList, AssetCatalogue and TypeAssetCatalogue to realign with current use cases and the latest CIM UML release. These profiles are based

on an old version of CIM UML and many of the classes in these profiles are no longer in the recent CIM UMLs;

- c) addition of several new profiles to enable the exchange of asset condition data, analytics results and alerts, assets' physical, functional and lifecycle details, and assets' work;
- d) informative annexes on how this document can be used to enable strategic asset management;
- e) informative annexes with illustrative examples for the application of this document;
- f) scope coordinated with IEC 61968-13 where applicable;
- g) use cases in IEC 62559-2 use case template;
- h) traceability of use cases to IEC 62913-2-1 use cases.

The text of this International Standard is based on the following documents:

FDIS	Report on voting
57/2059/FDIS	57/2074/RVD

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

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

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

- reconfirmed,
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- amended.

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