



SLOVENSKI STANDARD

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SIST EN 61968-9:2010

Združevanje aplikacij v elektropodjetjih - Sistemski vmesniki za upravljanje distribucije - 9. del: Vmesniki za odbiranje stanja električnih števecv in krmiljenje (IEC 61968-9:2013)

Application integration at electric utilities - System interfaces for distribution management - Part 9: Interfaces for meter reading and control

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Intégration d'applications pour les services électriques - Interfaces système pour la gestion de distribution - Partie 9: Interface pour la lecture et le contrôle des mesures

Ta slovenski standard je istoveten z: EN 61968-9:2014

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

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en

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English version

**Application integration at electric utilities -
System interfaces for distribution management -
Part 9: Interfaces for meter reading and control
(IEC 61968-9:2013)**

Intégration d'applications pour les services
électriques -
Interfaces système pour la gestion de
distribution -
Partie 9: Interfaces pour le relevé et la
commande des compteurs
(CEI 61968-9:2013)

Integration von Anwendungen in Anlagen
der Elektrizitätsversorgung -
Systemschnittstellen für Netzführung -
Teil 9: Zählerfernauslesung und -
steuerung
(IEC 61968-9:2013)

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CENELEC

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

Foreword

The text of document 57/1377/FDIS, future edition 1 of IEC 61968-9, 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 61968-9:2014.

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) 2014-10-11
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2016-11-20

This document supersedes EN 61968-9:2009.

EN 61968-9:2014 includes the following significant technical changes with respect to EN 61968-9:2009:

- a) changes to and addition of new profiles to support PAN and Usage Points;
- b) extensions to support PAN devices generically as EndDevices;
- c) extensions to the MeterReading model and profiles to support richer descriptions of metered quantities and to accommodate coincident readings;
- d) addition of CIM Name class and corresponding revisions to profiles to allow reference by name instead of by mRID. Where the document may identify the use of mRID values as references, Name.name values may be alternatively used. This is described in more detail in Annex G;
- e) reference of ReadingTypes, EndDeviceEventTypes and EndDeviceControlTypes using name references;
- f) definition of normative enumerations for ReadingTypes, EndDeviceEventTypes and EndDeviceControlTypes in annexes;
- g) various corrections to example sequence diagrams;
- h) Removal of MeterAssetReading profile, where functionality is supported using the MeterReading profile;
- i) MeterAsset class is now named Meter;
- j) MeterAssetConfig profile now named MeterConfig;
- k) EndDeviceAssets profile now named EndDeviceConfig;
- l) removal of EndDeviceFirmware profile, where functionality is supported using the EndDeviceConfig profile;
- m) use of new namespaces to reflect the new edition, where the namespaces is reflective of the year in which a profile is defined;
- n) adoption of UsagePoint as a replacement for and a generalization of

ServiceDeliveryPoint;

- o) SDPLocationConfig has been deprecated in favor of UsagePointLocationConfig;
- p) some profiles previously defined have been moved into the new subclause 5.10 which is focused on data linkages;
- q) elimination of the MeterSystemEvents profile, as it provided no functionality that could not be achieved with the EndDeviceEvents profile;
- r) there were several profiles originally defined in support of prepayment use cases that were identified to be more general in nature, and were consequentially moved to 5.10. Subclause 5.8 now consists of only those profiles that are specific to prepayment. In all cases there has been some refactoring of these profiles to reflect other necessary changes that have been described;
- s) supplierConfig has been renamed ServiceSupplierConfig;
- t) messages using the SUBSCRIBE verb have been removed as these are related to the underlying communication transport and do not reflect actual EN 61968 messages.

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[SIST EN 61968-9:2014](#)

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

IEC 61970-552	NOTE	Harmonised as EN 61970-552 (not modified).
IEC 62056 (Series)	NOTE	Harmonised as EN 62056 (Series) (not modified).

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 60050-300	-	International Electrotechnical Vocabulary - Electrical and electronic measurements and measuring instruments - Part 311: General terms relating to measurements - Part 312: General terms relating to electrical measurements - Part 313: Types of electrical measuring instruments - Part 314: Specific terms according to the type of instrument	-	-
IEC 61968-1	-	Application integration at electric utilities - System interfaces for distribution management - Part 1: Interface architecture and general requirements	EN 61968-1	-
IEC/TS 61968-2	-	Application integration at electric utilities - System interfaces for distribution management - Part 2: Glossary	EN 61968-2	-
IEC 61968-11	-	Application integration at electric utilities - System interfaces for distribution management - Part 11: Common information model (CIM) extensions for distribution	EN 61968-11	-
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	-	Energy management system application program interface (EMS-API) - Part 301: Common information model (CIM) base	EN 61970-301	-
IEC/TR 62051-1 + corr. June	-	Electricity metering - Data exchange for meter reading, tariff and load control - Glossary of terms - Part 1: Terms related to data exchange with metering equipment using DLMS/COSEM	-	-
ISO 8601	2004	Data elements and interchange formats - Information interchange - Representation of dates and times	-	-

INTERNATIONAL STANDARD

NORME INTERNATIONALE



**Application integration at electric utilities – System interfaces for distribution management –
Part 9: Interfaces for meter reading and control**

**Intégration d'applications pour les services électriques – Interfaces système pour la gestion de distribution –
Partie 9: Interfaces pour le relevé et la commande des compteurs**

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

**APPLICATION INTEGRATION AT ELECTRIC UTILITIES –
SYSTEM INTERFACES FOR DISTRIBUTION MANAGEMENT –****Part 9: Interfaces for meter reading and control**

FOREWORD

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International Standard IEC 61968-9 has been prepared by IEC technical committee 57: Power systems management and associated information exchange.

This second edition cancels and replaces the first edition published in 2009. This edition constitutes a technical revision and includes the following significant technical changes with respect to the previous edition:

- a) changes to and addition of new profiles to support PAN and UsagePoints;
- b) extensions to support PAN devices generically as EndDevices;
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