

Power systems management and associated
information exchange - Interoperability in the long
term - Part 100: CIM profiles to XML schema mapping

EESTI STANDARDI EESSÕNA

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English Version

Power systems management and associated information
exchange - Interoperability in the long term -
Part 100: CIM profiles to XML schema mapping
(IEC 62361-100:2016)

Gestion des systèmes de puissance et échanges
d'informations associés - Interopérabilité à long terme -
Partie 100: Mapping des profils CIM avec le schéma XML
(IEC 62361-100:2016)

Management von Systemen der Energietechnik und
zugehöriger Datenaustausch - Langfristige Interoperabilität -
Teil 100: Abbilden von CIM Profilen auf XML Schemen
(IEC 62361-100:2016)

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Comité Européen de Normalisation Electrotechnique
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European foreword

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- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2019-07-20

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

IEC 61968	NOTE	Harmonized in EN 61968 series.
IEC 62325	NOTE	Harmonized in EN 62325 series.

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 1 When 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 61968-11	-	Application integration at electric utilities - System interfaces for distribution management - Part 11: Common information model (CIM) extensions for distribution	EN 61968-11	-
IEC/TS 61970-2	-	Energy management system application program interface (EMS-API) - Part 2: Glossary	CLC/TS 61970-2	-
IEC 61970-301	-	Energy management system application program interface (EMS-API) - Part 301: Common information model (CIM) base	EN 61970-301	-
IEC 62325-301	-	Framework for energy market communications - Part 301: Common information model (CIM) extensions for markets	EN 62325-301	-
IEC 62325-450	2013	Framework for energy market communications - Part 450: Profile and context modelling rules	EN 62325-450	2013
W3C XML Schema Part 1	2004	XML Schema - Part 1: Structures	-	-
IETF RFC 3986	2005	Uniform Resource Identifier (URI): Generic Syntax	-	-

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INTRODUCTION

The IEC 62361 series defines standards which address areas of interest that impact multiple standards and provide consistency for implementations.

This part of the IEC 62361 series describes a mapping from CIM profiles to W3C XML Schemas and defines the rules that CIM XML message payloads shall adhere to.

The principle objective of this part of IEC 62361 is to facilitate the exchange of information in the form of XML documents whose semantics are defined by the IEC CIM and whose syntax is defined by a W3C XML schema. This will facilitate the integration of all applications that use the XML Schema message payloads developed by the WGs and implemented independently by different vendors into their systems.

The common information model (CIM) specifies the basis for the semantics for message payload exchanges defined by the IEC. The profile specifications, which are contained in other parts of the IEC 62361 series, specify the content of the message payloads exchanged. The format/syntax of those payloads is specified in this part of IEC 62361.