

Framework for energy market communications - Part
451-6: Publication of information on market, contextual
and assembly models for European style market

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

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English Version

**Framework for energy market communications - Part 451-6:
Publication of information on market, contextual and assembly
models for European style market
(IEC 62325-451-6:2016)**

Cadre pour les communications pour le marché de l'énergie
- Partie 451-6: Publication d'informations de marché,
modèles contextuels et modèles d'assemblage pour les
marchés de style européen
(IEC 62325-451-6:2016)

Kommunikation im Energiemarkt - Teil 451-6:
Veröffentlichung von Marktinformationen, kontextbezogene
Modelle und Einbindungsmodelle für den europäischen
Markt
(IEC 62325-451-6:2016)

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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 57/1689/FDIS, future edition 1 of IEC 62325-451-6, 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 62325-451-6:2016.

The following dates are fixed:

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standard or by endorsement
- latest date by which the national (dow) 2019-07-12
standards conflicting with the
document have to be withdrawn

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Endorsement notice

The text of the International Standard IEC 62325-451-6:2016 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 61968-11	NOTE	Harmonized as EN 61968-11.
IEC 61970-301	NOTE	Harmonized as EN 61970-301.

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 62325-301	-	Framework for energy market communications -- Part 301: Common Information Model (CIM) extensions for markets	EN 62325-301	-
IEC 62325-351	2013	Framework for energy market communications -- Part 351: CIM European market model exchange profile	EN 62325-351	2013
IEC 62325-450	2013	Framework for energy market communications -- Part 450: Profile and context modelling rules	EN 62325-450	2013
IEC 62325-451-1	-	Framework for energy market communications -- Part 451-1: Acknowledgement business process and contextual model for CIM European market	EN 62325-451-1	-
IEC 62325-451-3	-	Framework for energy market communications -- Part 451-3: Transmission capacity allocation business process (explicit or implicit auction) and contextual models for European market	EN 62325-451-3	-
IEC 62325-451-5	-	Framework for energy market communications -- Part 451-5: Problem statement and status request business processes, contextual and assembly models for European market	EN 62325-451-5	-
IEC 62361-100	-	Power systems management and associated information exchange - Interoperability in the long term -- Part 100: CIM profiles to XML schema mapping	EN 62361-100	-
IEC/TS 61970-2	-	Energy management system application program interface (EMS-API) -- Part 2: Glossary	CLC/TS 61970-2	-

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INTRODUCTION

This part of IEC 62325 is one of the IEC 62325-451-x series for deregulated energy market data exchanges based on the European style market profile. This part of IEC 62325 defines the document contextual models, the message assembly models as well as the XML schemas to be used for the market information publication process, also called the transparency process.

The principal objective of the IEC 62325 series is to produce standards which facilitate the integration of market application software developed independently by different vendors into a market management system, between market management systems and market participant systems. This is accomplished by defining message exchanges to allow these applications or systems access to public data and exchange information independent of how such information is represented internally.

The common information model (CIM), i.e. IEC 62325-301, IEC 61970-301 and IEC 61968-11, specifies the basis for the semantics for message exchange.

This European style market profile is based on different parts of the CIM IEC standards and specifies the content of the messages exchanged.

This part of IEC 62325 provides, for the European style market profile, the publication (or transparency) information exchanges to submit either to a data aggregator or to an electronic publication platform the necessary information to be published about the electricity market. These market processes are based on the European regulations (No. 1227/2011 and No. 543/2013), and on the concepts of third party access and zonal markets. This part of IEC 62325 was originally based upon the work of the European Network of Transmission System Operators (ENTSO-E) Working Group EDI.