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# Energy Interoperation V1.0 OASIS Standard (#energyinterop) published

Submitted by censign on Tue, 2014-06-17 18:41

**Type:**

OS Approval

OASIS is pleased to announce the publication of its latest OASIS Standard:

Energy Interoperation Version 1.0

OASIS Standard

11 June 2014

Overview:

Energy interoperation describes an information model and a communication model to enable collaborative and transactive use of energy, service definitions consistent with the OASIS SOA Reference Model [SOA-RM], and XML vocabularies for the interoperable and standard exchange of:

- Dynamic price signals
- Reliability signals
- Emergency signals
- Communication of market participation information such as bids
- Load predictability and generation information

This work facilitates enterprise interaction with energy markets, which:

- Allows effective response to emergency and reliability events
- Allows taking advantage of lower energy costs by deferring or accelerating usage
- Enables trading of curtailment and generation
- Supports symmetry of interaction between providers and consumers of energy
- Provides for aggregation of provision, curtailment, and use

The definition of a price and of reliability information depends on the market context in which it exists. It is not in scope for this TC to define specifications for markets or for pricing models, but the TC has coordinated with others to ensure that commonly used market and pricing models are supported.

While this specification uses Web Services to describe the services, no requirement or expectation of specific messaging implementation is assumed.

Energy Interoperation Version 1.0 was approved as an OASIS Standard by the membership of the organization

on 11 June 2014 in <https://www.oasis-open.org/committees/ballot.php?id=2617> [1].

URIs:

The prose specification and related files are available here:

PDF (Authoritative):

<http://docs.oasis-open.org/energyinterop/ei/v1.0/os/energyinterop-v1.0-o...> [2]

HTML:

<http://docs.oasis-open.org/energyinterop/ei/v1.0/os/energyinterop-v1.0-o...> [3]

Editable source:

<http://docs.oasis-open.org/energyinterop/ei/v1.0/os/energyinterop-v1.0-o...> [4]

XML schemas:

<http://docs.oasis-open.org/energyinterop/ei/v1.0/os/xsd/> [5]

WSDL files:

<http://docs.oasis-open.org/energyinterop/ei/v1.0/os/wSDL/> [6]

Distribution ZIP files

<http://docs.oasis-open.org/energyinterop/ei/v1.0/os/energyinterop-v1.0-o...> [7]

Our congratulations to the TC on achieving this milestone.

**Associated TC:**

Energy Interoperation

**Deadline:**

Tue, 2014-06-17 - Thu, 2014-07-17

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**Links:**

[1] <https://www.oasis-open.org/committees/ballot.php?id=2617>

[2] <http://docs.oasis-open.org/energyinterop/ei/v1.0/os/energyinterop-v1.0-os.pdf>

[3] <http://docs.oasis-open.org/energyinterop/ei/v1.0/os/energyinterop-v1.0-os.html>

[4] <http://docs.oasis-open.org/energyinterop/ei/v1.0/os/energyinterop-v1.0-os.doc>

[5] <http://docs.oasis-open.org/energyinterop/ei/v1.0/os/xsd/>

[6] <http://docs.oasis-open.org/energyinterop/ei/v1.0/os/wSDL/>

[7] <http://docs.oasis-open.org/energyinterop/ei/v1.0/os/energyinterop-v1.0-os.zip>