
60-day Public Review for Energy Interoperation V1.0 COS01 (#energyinterop)

Submitted by censign on Wed, 2014-01-29 16:43

Type:

Public Review

Members of the OASIS Energy Interoperation TC TC [1] have recently approved a Special Majority Ballot [2] to advance Energy Interoperation Version 1.0 as a Candidate OASIS Standard (COS). The specification drafts have had four public reviews [3]. The COS now enters a 60-day public review period in preparation for a member ballot to consider its approval as an OASIS Standard.

Energy Interoperation Version 1.0

Candidate OASIS Standard 01

19 December 2013

Specification Overview:

OASIS 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.

This specification normatively references and uses OASIS Energy Market Information Exchange 1.0, OASIS WS-Calendar 1.0, and specifications from the Open Geospatial Consortium. The base of this work work includes OpenADR (1) from Lawrence Berkeley National Laboratory Demand Response Research Center, and extends and evolves that base to address interworking with IEC TC57 CIM and market interaction, as well as facility standards and models including but not limited to ASHRAE SPC201 (Facility Smart Grid Information Model), BACnet, LonWorks, and OBIX.

This specification includes profiles that support transactive energy (TeMIX), price distribution, and demand response (OpenADR).

Other organizations, including the OpenADR Alliance, have produced profiles (OpenADR2) based on this specification.

Public Review Period:

The 60-day public review starts Thursday, 30 January 2014 at 00:00 GMT and ends Monday, 31 March 2014 at 23:59 GMT.

This is an open invitation to comment. OASIS solicits feedback from potential users, developers and others, whether OASIS members or not, for the sake of improving the interoperability and quality of its technical work.

URIs:

The prose specification document and related files are available here:

PDF (Authoritative):

<http://docs.oasis-open.org/energyinterop/ei/v1.0/cos01/energyinterop-v1....> [1]

HTML:

<http://docs.oasis-open.org/energyinterop/ei/v1.0/cos01/energyinterop-v1....> [2]

Editable source:

<http://docs.oasis-open.org/energyinterop/ei/v1.0/cos01/energyinterop-v1....> [3]

XML schemas:

<http://docs.oasis-open.org/energyinterop/ei/v1.0/cos01/xsd/> [4]

WSDL files:

<http://docs.oasis-open.org/energyinterop/ei/v1.0/cos01/wSDL/> [5]

ZIP distribution file (complete):

For your convenience, OASIS provides a complete package of the prose specification and related files in a ZIP distribution file. You can download the ZIP file here:

<http://docs.oasis-open.org/energyinterop/ei/v1.0/cos01/energyinterop-v1....> [6]

Additional information about the specification and the Energy Interoperation TC may be found at the TC's public home page:

<https://www.oasis-open.org/committees/energyinterop/> [7]

Comments may be submitted to the TC by any person through the use of the OASIS TC Comment Facility as explained in the instructions located via the button labeled "Send A Comment" at the top of the TC public home page, or directly at:

https://www.oasis-open.org/committees/comments/index.php?wg_abbrev=energ... [8]

Comments submitted by TC non-members for this work and for other work of this TC are publicly archived and can be viewed at:

<http://lists.oasis-open.org/archives/energyinterop-comment/> [9]

All comments submitted to OASIS are subject to the OASIS Feedback License, which ensures that the feedback you provide carries the same obligations at least as the obligations of the TC members. In connection with this public review of Energy Interoperation Version 1.0, we call your attention to the OASIS IPR Policy [4] applicable especially [5] to the work of this technical committee. All members of the TC should be familiar with this document, which may create obligations regarding the disclosure and availability of a member's patent, copyright, trademark and license rights that read on an approved OASIS specification.

OASIS invites any persons who know of any such claims to disclose these if they may be essential to the implementation of the above specification, so that notice of them may be posted to the notice page for this TC's work.

===== Additional Information

[1] OASIS Energy Interoperation TC

<http://www.oasis-open.org/committees/energyinterop/> [10]

[2] Candidate OASIS Standard ballot

<https://www.oasis-open.org/committees/ballot.php?id=2550> [11]

[3] Public Reviews:

- 30-day public review, 27 November 2010: <https://lists.oasis-open.org/archives/tc-announce/201011/msg00014.html> [12]

- 15-day public review, 10 August 2011: <https://lists.oasis-open.org/archives/tc-announce/201108/msg00005.html> [13]

- 15-day public review, 17 November 2011: <https://lists.oasis-open.org/archives/tc-announce/201111/msg00005.html> [14]

- 15-day public review, 12 January 2012: <https://lists.oasis-open.org/archives/tc-announce/201201/msg00002.html> [15]

- Master comment resolution log: <http://docs.oasis-open.org/energyinterop/ei/v1.0/csprd04/energyinterop-v...> [16]

[4] <http://www.oasis-open.org/policies-guidelines/ipr> [17]

[5] <http://www.oasis-open.org/committees/energyinterop/ipr.php> [18]

RF on Limited Terms Mode

<https://www.oasis-open.org/policies-guidelines/ipr#s10.2.3> [19]

Associated TC:

Energy Interoperation

Deadline:

Thu, 2014-01-30 - Mon, 2014-03-31

Links:

- [1] <http://docs.oasis-open.org/energyinterop/ei/v1.0/cos01/energyinterop-v1.0-cos01.pdf>
- [2] <http://docs.oasis-open.org/energyinterop/ei/v1.0/cos01/energyinterop-v1.0-cos01.html>
- [3] <http://docs.oasis-open.org/energyinterop/ei/v1.0/cos01/energyinterop-v1.0-cos01.doc>
- [4] <http://docs.oasis-open.org/energyinterop/ei/v1.0/cos01/xsd/>
- [5] <http://docs.oasis-open.org/energyinterop/ei/v1.0/cos01/wSDL/>
- [6] <http://docs.oasis-open.org/energyinterop/ei/v1.0/cos01/energyinterop-v1.0-cos01.zip>
- [7] <https://www.oasis-open.org/committees/energyinterop/>
- [8] https://www.oasis-open.org/committees/comments/index.php?wg_abbrev=energyinterop
- [9] <http://lists.oasis-open.org/archives/energyinterop-comment/>
- [10] <http://www.oasis-open.org/committees/energyinterop/>
- [11] <https://www.oasis-open.org/committees/ballot.php?id=2550>
- [12] <https://lists.oasis-open.org/archives/tc-announce/201011/msg00014.html>
- [13] <https://lists.oasis-open.org/archives/tc-announce/201108/msg00005.html>
- [14] <https://lists.oasis-open.org/archives/tc-announce/201111/msg00005.html>
- [15] <https://lists.oasis-open.org/archives/tc-announce/201201/msg00002.html>
- [16] <http://docs.oasis-open.org/energyinterop/ei/v1.0/csprd04/energyinterop-v1.0-csprd04-comment-resolution-log.pdf>
- [17] <http://www.oasis-open.org/policies-guidelines/ipr>
- [18] <http://www.oasis-open.org/committees/energyinterop/ipr.php>
- [19] <https://www.oasis-open.org/policies-guidelines/ipr#s10.2.3>