

Energy Market Information Exchange (EMIX) v1.0 approved and published as a Committee Specification

Submitted by cesign on Mon, 2012-03-26 19:35

Type:

Result of Voting

OASIS Members,

We are pleased to announce the approval of an OASIS Committee Specification (CS) by the members of the Energy Market Information Exchange (eMIX) TC:

Energy Market Information Exchange (EMIX) Version 1.0

Committee Specification 01

15 November 2011

Overview:

This specification defines an information model and XML vocabulary for the interoperable and standard exchange of prices and product definitions in transactive energy markets:

- * Price information
- * Bid information
- * Time for use or availability
- * Units and quantity to be traded
- * Characteristics of what is traded

This specification is one of three related OASIS technical works in progress. For a graphical view of the relationships, see <http://collaborate.nist.gov/twiki-sggrid/bin/view/SmartGrid/EMIXissuesPage> [1] on the NIST Smart Grid collaborative site.

(a) Web Services Calendar 1.0 (WS-Calendar Technical Committee page is <http://www.oasis-open.org/committees/ws-calendar> [2]) is the common XML vocabulary for expressing schedules. EMIX uses this vocabulary to express energy schedules and prices; implementers and other standards are also using WS-Calendar. WS-Calendar has just started its third Public Review.

(b) Energy Market Information Exchange 1.0 (EMIX Technical Committee page is <http://www.oasis-open.org/committees/emix> [3]) is the TC that has approved this public review. EMIX is the common XML vocabulary for expressing market information including tenders, market transactions, prices and product definitions for implementers and other standards. EMIX uses the WS-Calendar vocabulary to express schedule

information, and the EMIX vocabulary is used by Energy Interoperation and other standards and implementations.

(c) Energy Interoperation 1.0 (Energy Interoperation Technical Committee page is <http://www.oasis-open.org/committees/energyinterop> [4]) is the common XML vocabulary for expressing curtailment events, price communication, as well as Web services definitions for interactions using the information payloads. The Energy Interoperation TC is planning its second Public Review in July 2011.

Please refer to line numbers in the PDF version of the specification when providing comments.

TC Description:

The OASIS Energy Market Information Exchange (eMIX) TC [1] was chartered to define standards for exchanging energy characteristics, availability, and schedules to support the free and effective exchange of information. Better communication of actionable energy prices will help enable and expand efficient markets that satisfy the growing demand for lower-carbon, lower-energy buildings, net zero-energy systems, and supply-demand integration that take advantage of dynamic pricing. The TC has addressed requirements consolidated by NAESB and the Smart Grid Interoperability Panel's Priority Action Plan 03 Working Group.

Direct participants have included representatives of Southern California Edison, the ISO-RTO Council, California ISO, Midwest ISO, New York ISO, Lawrence Berkeley National Laboratory, Enernex, UISOL, members of the UCAIug OpenADR Task Force, the OpenADR Alliance, and representatives of the National Institute of Science and Technology, Schneider Electric, Siemens AG, EPRI, OATi, The Open Geospatial Consortium, LonMark International, Lockheed Martin, EnerNOC, Trane, CPower, Microsoft, JPMorganChase, TIBCO, University of North Carolina, Alstom Power, and experts in energy markets and in cross-domain integration and information modeling.

This work is closely related to OASIS WS-Calendar 1.0 and OASIS Energy Interoperation 1.0.

URIs:

The prose specification document and related files are available here:

PDF (Authoritative):

<http://docs.oasis-open.org/emix/emix/v1.0/cs01/emix-v1.0-cs01.pdf> [5]

HTML:

<http://docs.oasis-open.org/emix/emix/v1.0/cs01/emix-v1.0-cs01.html> [6]

Editable Source:

<http://docs.oasis-open.org/emix/emix/v1.0/cs01/emix-v1.0-cs01.doc> [7]

XML schemas:

<http://docs.oasis-open.org/emix/emix/v1.0/cs01/xsd/> [8]

Distribution ZIP files

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/emix/emix/v1.0/cs01/emix-v1.0-cs01.zip> [9]

Members of the OASIS Energy Market Information Exchange (eMIX) TC [1] requested a Special Majority Vote to approve this specification as a Committee Specification. The specification had been released for public

review as required by the TC Process [2]. The vote to approve at Committee Specification (CS) level passed [3], and the approved CS is now available online in the OASIS Library as referenced above.

Our congratulations to the TC on achieving this milestone.

===== Additional references:

[1] OASIS Energy Market Information Exchange (eMIX) TC
<http://www.oasis-open.org/committees/emix/> [10]

[2] Public review

15-day public review, 05 October 2011: <http://lists.oasis-open.org/archives/emix/201110/msg00003.html> [11]

15-day public review, 08 July 2011: <http://lists.oasis-open.org/archives/tc-announce/201107/msg00002.html> [12]

15-day public review, 11 May 2011: <http://lists.oasis-open.org/archives/tc-announce/201105/msg00000.html>

[13]

30-day public review, 17 November 2010: <http://lists.oasis-open.org/archives/members/201011/msg00005.html>

[14]

[3] CS ballot

<http://www.oasis-open.org/committees/ballot.php?id=2138> [15]

Associated TC:

Energy Market Information Exchange (eMIX)

Deadline:

Mon, 2012-03-26

Links:

[1] <http://collaborate.nist.gov/twiki-ssgrid/bin/view/SmartGrid/EMIXissuesPage>

[2] <http://www.oasis-open.org/committees/ws-calendar>

[3] <http://www.oasis-open.org/committees/emix>

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

[5] <http://docs.oasis-open.org/emix/emix/v1.0/cs01/emix-v1.0-cs01.pdf>

[6] <http://docs.oasis-open.org/emix/emix/v1.0/cs01/emix-v1.0-cs01.html>

[7] <http://docs.oasis-open.org/emix/emix/v1.0/cs01/emix-v1.0-cs01.doc>

[8] <http://docs.oasis-open.org/emix/emix/v1.0/cs01/xsd/>

[9] <http://docs.oasis-open.org/emix/emix/v1.0/cs01/emix-v1.0-cs01.zip>

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

[11] <http://lists.oasis-open.org/archives/emix/201110/msg00003.html>

[12] <http://lists.oasis-open.org/archives/tc-announce/201107/msg00002.html>

[13] <http://lists.oasis-open.org/archives/tc-announce/201105/msg00000.html>

[14] <http://lists.oasis-open.org/archives/members/201011/msg00005.html>

[15] <http://www.oasis-open.org/committees/ballot.php?id=2138>