SUBMISSION REQUEST
OASIS Submission of OASIS Energy Interoperation v1.0 to IEC PC 118

September 2014

(For OASIS requirements: See http://www.oasis-open.org/policies-guidelines/liaison#submitwork)

1. Qualification of submission requirements:
(a) The proposed submission is an OASIS Standard.

The following "Submitted Specification" is proposed for IEC submission, and has been approved by the membership as an OASIS Standard:

OASIS Energy Interoperation v1.0
See: *https://www.oasis-open.org/standards#energyinterop-v1.0*

(b) The receiving standards organization is a de jure standards authority, preferably global in geographic scope.

The International Electrotechnical Commission (IEC) is a *de jure* standards authority with a global scope. OASIS established a liaison relationship with IEC's PC 118 in 2013.

(c) A written submission request to submit the OASIS Standard, as specified in Section 2, is submitted to the President by any one of the parties described in the following options: Open TC. If the Technical Committee that originally developed the OASIS Standard is open (not closed) ... If there is no ... Member Section, then the TC may submit the request, after approving a motion to do so by a Special Majority Vote.

The Energy Interoperation TC voted to approve this request in September 2014: *https://www.oasis-open.org/committees/download.php/54105/ballot_2666.html*

2. Written submission request: Any submission request … must be in writing, and must include the following:
(a) The name(s) of the submission requester(s), that is, the TC, the Member Section, or the OASIS Organizational Members that support the submission request as described in section 1(d).

The request is from the OASIS Energy Interoperation Technical Committee ("the TC").

(b) The name of the intended receiving standards organization. The request may also suggest the committee or group in that organization which should process that submission.

International Electrotechnical Commission (IEC)'s Project Committee 118 (PC 118): Smart grid user interface. IEC is a *de jure* standards authority with a global scope. See: *http://www.iec.ch/dyn/www/f?p=103:7:0::::FSP_ORG_ID:8701*

(c) The intended status or outcome that the request seeks from the receiving organization's process; and a short description of the receiving organization's approval process, including estimated time required, stages of approval and who votes at each stage.

The IEC will accept the Submitted Specification as a Committee Draft and evaluate it for approval as a Draft International Standard and International Standard, by review conducted in PC 118. The OASIS TC and IEC committee plan to share any recommendations for improvement with each other

both, with the goal of producing jointly-published parallel standards from both entities. This is substantially the same process that was used for the co-development of the OpenDocument specification in ISO/IEC JTC 1 with its SC34, and the co-development of CGMOpen WebCGM in W3C. However, the proposed IEC submission would include rules permitting the two groups to continue separate development (under different names) if parallel approvals of future versions do not occur – subject to the independent obligations of each to acquire and confirm their own licensing for contributed material. The total time is unknown, but is likely to be in excess of one year. Countries that are voting members of the Project Committee at the time of each vote may participate in the respective ballots.

(d) An explanation of how the submission will benefit OASIS.

OASIS developed the original standard in connection with the US NIST SGIP program, which included version 1.0 in its official Catalog of Standards. The Submitted Specification is included as a normative reference by other smartgrid specifications: "OpenADR2," which is a profile of Energy Interoperation v1, already has been approved as an IEC Publicly Available Specification through PC118 *(as IEC 62746-10)*. The Submitted Specification defines the semantics of 62746-10, and additionally defines services, information models, and profiles for Transactive Energy. The US smartgrid community and NIST have asked that we facilitate the inclusion of the OASIS Standard in that package by sharing it with IEC, resulting in broader international sanction and adoption by multiple governments.

(e) The expected licensing, copyright and other intellectual property terms that will be used by the receiving organization in regard to the submission.

The licensing, copyright and other intellectual property terms applicable to the Submitted Specification (Royalty Free on Limited Terms) will not change, as it will continue to be available from and developed within OASIS, with a mutual commitment between IEC and OASIS to share future revisions, as described in the TC's proposed *Terms of Submission*. See: *https://www.oasis-open.org/committees/download.php/54003/DRAFT%20EI-EIC%20Terms%20of%20Submission%2020140903.pdf* As usual, each approved submission also will be available under IEC's own licensing policies. IEC will expect that OASIS will abide by the ISO/IEC/ITU-T Common Patent Policy, by notifying IEC of any patent declarations in the required Explanatory Report; and OASIS will provide IEC with sufficient copyright license to modify and publish the resulting IEC Standard.

(f) A statement of the intended future plans for versioning and maintenance of the OASIS Standard and/or Approved Errata for that standard, and the expected roles of OASIS and the receiving organization. This must include clear statements of the rules of the receiving organization applicable to maintenance of an approved submitted standard, and to future versions of that standard; any requirements regarding the submission of future versions; and a description of how OASIS and the submission requesters expect to comply with those rules.

The TC's recommended Terms of Submission provide for coordination of future maintenance activities: the OASIS TC plans to continue to publish, maintain and improve the Submitted Specification. All comments, drafts, and approved versions will be delivered by each organization to the other with sufficient rights to apply those independently, as well as in a collaborative manner by parallel issuance, as described in the Terms of Submission. As a practical matter, coordination should be assisted by the fact that some members of the OASIS TC are also members of the receiving Project Committee in IEC.

(g) Current market adoption.

Current market adoption of the specification is evidenced by, among other things, its inclusion in the US SGIP Smart Grid Catalog of Standards; its incorporation into the current IEC 62746-10 scheme for transactive energy management, noted above; and its active use in the utilities and smart-devices industry's demand/response community (see: *http://www.openadr.org/specification*).