

# Advancing Open Standards for e-Business

OASIS (Organization for the Advancement of Structured Information Standards) is a not-for-profit, international consortium that drives the development, convergence, and adoption of e-business standards. Founded in 1993, OASIS now has more than 5,000 participants working in 65+ Committees including:

## OASIS Committees

### Asynchronous Service Access Protocol (ASAP)

Enabling the control of asynchronous or long-running Web services

### Biometric Identity Assurance Services (BIAS) Integration

Defining methods for using biometric identity assurance in transactional Web services and SOAs

### Business-Centric Methodology (BCM)

Defining methods to acquire interoperable e-business information systems within communities of interest

### CGM Open WebCGM

Advancing the vector graphics standard for online technical documents

### Code List Representation

Defining an XML format for interchange, documentation and management of controlled vocabularies or coded value enumerations in any processing context

### Content Assembly Mechanism (CAM)

Describing machine-processable information content flows into and out of XML structures

### Customer Information Quality (CIQ)

Delivering global, application-independent XML specs for customer information and profile management

### Darwin Information Typing Architecture (DITA)

Advancing a document creation and management spec that builds content reuse into the authoring process

### DCML Framework

Creating an XML data model for exchanging information about the contents of data centers and other IT resources

### Digital Signature Services (DSS)

Defining an XML interface to process digital signatures for Web services and other applications

### DocBook

Providing a system for writing structured documents using SGML or XML

### ebXML Business Process

Providing a standards-based business process foundation that promotes the automation and predictable exchange of business collaboration definitions using XML

### ebXML Collaboration Protocol Profile Agreement (CPPA)

Describing how trading partners engage in e-business collaborations through the exchange of electronic messages

### ebXML Implementation, Interoperability, Conformance (IIC)

Enabling software providers to create infrastructure and applications which interoperate with and adhere to the ebXML specifications

### ebXML Messaging Services

Defining the transport, routing and packaging of e-business transactions

### ebXML Registry

Defining and managing interoperable registries and repositories

### e-Government

Providing a forum for governments to articulate and coordinate requirements for XML and Web services standards

### Election and Voter Services

Enabling the exchange of data for public and private election services

### Electronic Business Service Oriented Architecture (ebSOA)

Advancing architectural patterns for using Service Oriented Architecture in electronic business

### Emergency Management

Enabling information exchange to advance incident preparedness and response to emergency situations

### Enterprise Key Management Infrastructure (EKMI)

Defining symmetric key management protocols



## OASIS Committees

### eXtensible Access Control Markup Language (XACML)

Expressing and enforcing authorization policies for information access over the Internet

### Extensible Resource Identifier (XRI)

Defining a URI-compatible scheme and resolution protocol for abstract identifiers used to identify and share resources across domains and applications

### Forest Industries

Standardizing electronic transfer of forest industry data from source to customer

### Framework for Web Services Implementation (FWSI)

Defining methods and functional components for broad, multi-platform, vendor-neutral cross-industry implementation of Web services

### International Health Continuum (IHC)

Providing a forum for the global healthcare community to articulate and coordinate requirements for XML and Web services standards

### LegalXML eContracts

Enabling the efficient creation, maintenance, management, exchange, and publication of contract documents and terms

### LegalXML Electronic Court Filing

Using XML to create and transmit legal documents among attorneys, courts, litigants, and others

### LegalXML eNotarization

Developing technical requirements to govern self-proving electronic legal information

### LegalXML Integrated Justice

Facilitating the exchange of data among justice system branches and agencies for criminal and civil cases

### Materials Markup Language

Standardizing the exchange of all types of technical metrics and information for raw manufacturing materials

### Open Building Information Exchange (oBIX)

Enabling mechanical and electrical control systems in buildings to communicate with enterprise applications

### OpenDocument

Developing an XML-based file format specification for office applications

### OpenDocument Format Adoption

Collaborating to increase the demand for and availability of products that conform to OpenDocument Format

### Product Life Cycle Support (PLCS)

Collaborating on the deployment of an international standard for product data exchange () to support complex engineered assets

### Production Planning and Scheduling (PPS)

Developing common object models and schemas for collaborative planning and scheduling in manufacturing

### Provisioning Services

Providing an XML framework for managing the provisioning and allocation of identity information and system resources within and between organizations

### Public Key Infrastructure (PKI) Adoption

Advancing the use of digital certificates as a foundation for managing access to network resources and conducting electronic transactions

### RELAX NG

Advancing a lightweight, easy-to-use XML schema language

### Remote Control XML

Developing XML-based standards to support the control of devices accessed remotely

### Security Services (SAML)

Defining and maintaining a standard, XML-based framework for creating and exchanging security information between online partners

### Semantic Execution Environment (SEE)

Developing guidelines, justifications, and implementation directions for deploying Semantic Web services in SOA

### SOA Adoption Blueprints

Developing concrete examples of business requirements for SOA implementations

### SOA Reference Model (SOA-RM)

Developing a core reference model to guide and foster the creation of specific, service-oriented architectures

### Solution Deployment Descriptor (SDD)

Defining a standardized way to express software installation characteristics required for lifecycle management in a multi-platform environment

### Tax XML

Promoting interoperability of XML tax-related information

### Translation Web Services

Automating the translation and localization process as a Web service



### **UDDI Specification**

Defining a standard method for enterprises to dynamically discover and invoke Web services

### **UnitsML**

Defining an XML-based specification to enable the unambiguous representation of units of measure

### **Universal Business Language (UBL)**

Defining a common XML library of business

### **Unstructured Info Management Architecture (UIMA)**

Standardizing semantic search and content analytics

### **Unstructured Operation Markup Language (UOML)**

Creating an open, XML-based operation standard for unstructured documents

### **User Interface Markup Language (UIML)**

Developing a specification for an abstract meta-language that can provide a canonical XML representation of any user interface (UI)

### **Web Services Business Process Execution Language (BPEL)**

Enabling users to describe business process activities as Web services and define how they can be connected to accomplish specific tasks

### **Web Services Composite Application Framework (WS-CAF)**

Defining an open framework for supporting coordinated and transactional compositions of multiple Web services applications

### **Web Services Distributed Management (WSDM)**

Defining a Web services architecture to manage distributed resources

### **Web Services for Remote Portlets (WSRP)**

Standardizing presentation-oriented Web services for use by aggregating intermediaries, such as portals

### **Web Services Notification (WSN)**

Advancing a pattern-based approach to allow Web services to disseminate information to one another

### **Web Services Quality Model**

Defining common criteria to evaluate quality levels for interoperability, security, and manageability of services

### **Web Services Reliable Exchange (WS-RX)**

Advancing a protocol for reliable message exchange using Web services

### **Web Services Reliable Messaging (WSRM)**

Providing a standard, interoperable way to guarantee message delivery to applications or Web services

### **Web Services Secure Exchange (WS-SX)**

Defining WS-Security extensions and policies to enable the trusted exchange of multiple SOAP messages

### **Web Services Transaction (WS-TX)**

Defining protocols for coordinating the outcome of distributed application actions

### **XML Localisation Interchange File Format (XLIFF)**

Advancing a multi-lingual data exchange standard for localisation

### **XRI Data Interchange (XDI)**

Creating a standard for sharing, linking, and synchronizing data (“dataweb”) over networks using XML documents and Extensible Resource Identifiers (XRIs)

## **OASIS Computing Management Committees**

DCML Framework

eXtensible Access Control Markup Language (XACML)

Provisioning Services

Solution Deployment Descriptor (SDD)

Web Services Distributed Management (WSDM)

Web Services Notification (WSN)

Web Services Quality Model

## **OASIS Localization Committees**

Translation Web Services

XML Localisation Interchange File Format (XLIFF)

## **OASIS XML Processing Committees**

Extensible Resource Identifier (XRI)

RELAX NG

User Interface Markup Language (UIML)

XRI Data Interchange (XDI)

## **OASIS Supply Chain Committees**

Materials Markup Language

Product Life Cycle Support (PLCS)

Production Planning and Scheduling (PPS)

Universal Business Language (UBL)



## OASIS Web Services Committees

Asynchronous Service Access Protocol (ASAP)  
e-Business Service Oriented Architecture (ebSOA)  
ebXML Business Process  
ebXML Collaboration Protocol Profile Agreement (CPPA)  
ebXML Implementation, Interoperability, Conformance (IIC)  
ebXML Messaging Services  
ebXML Registry  
Framework for Web Services Implementation (FWSI)  
Open Building Information Exchange (oBIX)  
Translation Web Services  
UDDI Specification  
WS Business Process Execution Language (BPEL)  
WS Composite Application Framework (WS-CAF)  
Web Services Distributed Management (WSDM)  
Web Services for Remote Portlets (WSRP)  
Web Services Notification (WSN)  
Web Services Quality Model  
Web Services Reliable Exchange (WS-RX)  
Web Services Reliable Messaging (WSRM)  
Web Services Secure Exchange (WS-SX)  
Web Services Transaction (WS-TX)

## OASIS Security Committees

Biometric Identity Assurance Services (BIAS) Integration  
Digital Signature Services (DSS)  
Enterprise Key Management Infrastructure (EKMI)  
eXtensible Access Control Markup Language (XACML)  
Provisioning Services  
Public Key Infrastructure (PKI) Adoption  
Security Services (SAML)  
Web Services Secure Exchange (WS-SX)

## OASIS Standards Adoption Committees

e-Government  
Forest Industries  
International Health Continuum (IHC)  
Tax XML

## OASIS Adoption Services Committees

ebXML Implementation, Interoperability, Conformance (IIC)  
Public Key Infrastructure (PKI) Adoption  
OpenDocument Adoption

## OASIS SOA Committees

e-Business Service Oriented Architecture (ebSOA)  
Framework for Web Services Implementation (FWSI)  
Semantic Execution Environment (SEE)  
SOA Adoption Blueprints  
SOA Reference Model (SOA-RM)  
Web Services Quality Model

## OASIS Document-Centric Committees

CGM Open WebCGM  
Darwin Information Typing Architecture (DITA)  
DocBook  
OpenDocument  
OpenDocument Adoption  
Universal Business Language (UBL)  
Unstructured Operation Markup Language (UOML) TC

## OASIS e-Commerce Committees

Business-Centric Methodology (BCM)  
Content Assembly Mechanism (CAM)  
Customer Information Quality (CIQ)  
ebXML Business Process  
ebXML Collaboration Protocol Profile Agreement (CPPA)  
ebXML Implementation, Interoperability, Conformance (IIC)  
ebXML Messaging Services  
ebXML Registry  
E-business Service Oriented Architecture (ebSOA)  
UDDI Specification  
Universal Business Language (UBL)  
WS Business Process Execution Language (BPEL)  
WS Composite Application Framework (WS-CAF)

## OASIS Law and Government Committees

e-Government  
Election and Voter Services  
Emergency Management  
International Health Continuum (IHC)  
LegalXML eContracts  
LegalXML Electronic Court Filing  
LegalXML eNotarization  
LegalXML Integrated Justice  
Tax XML

