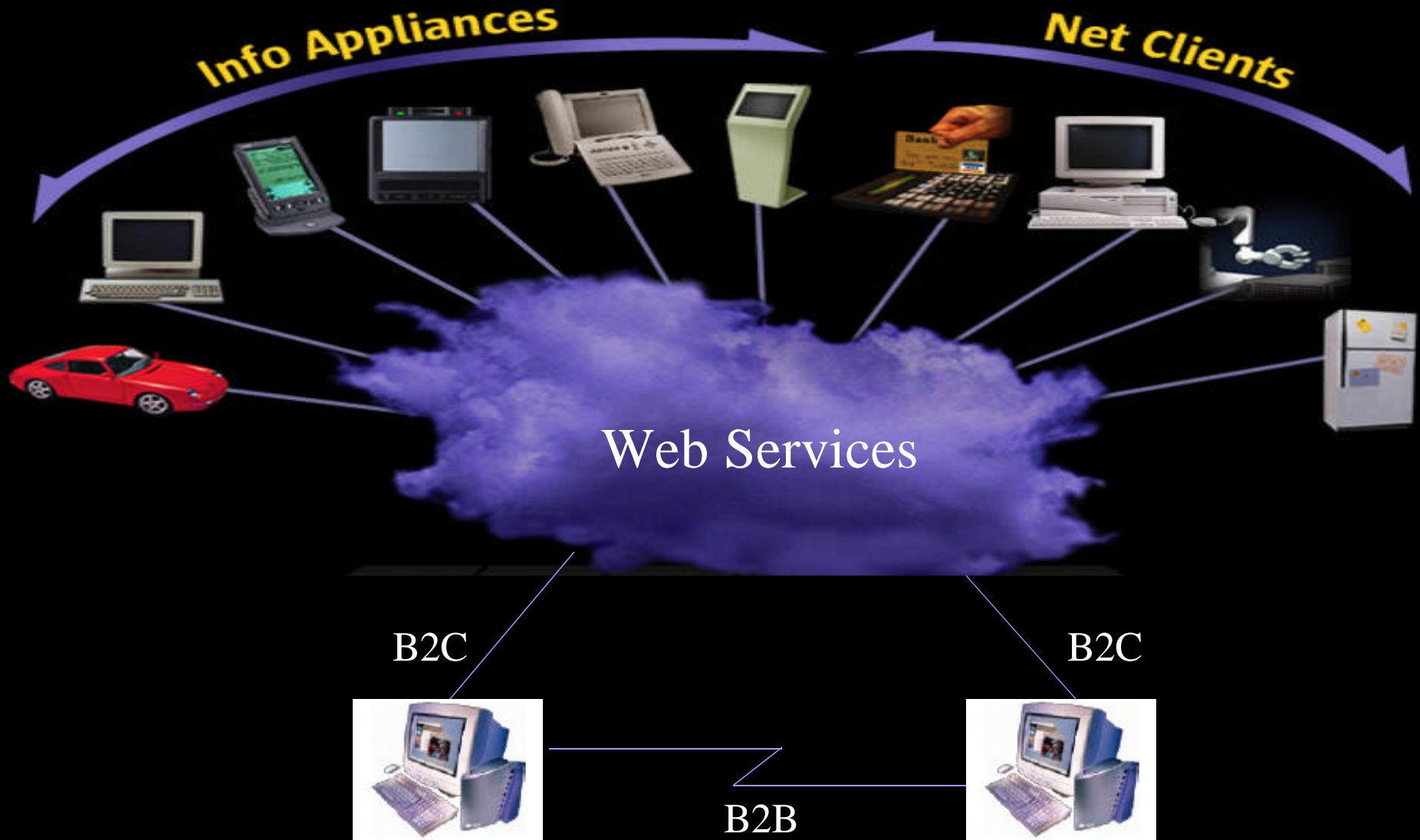




**The Global Standard for
Electronic Business**

The Internet is Growing Up



XML - Acronyms Run Wild

Reg/Rep

Rosetta Net

XFRML

UDDI

W3C

WSDL

DOM

SAX

DTD's

UML/UMI

Schema

XSLT

HRXML

SOAP

OASIS

BizTalk

NEWSML

ebXML

XLink

BPML

WML

XQuery

XSL

IETF

FPML

OTA

Making Sense of It All

Vertical Market Vocabularies

WSDL	FPML	HRXML
BPML	WML	XFRML
NEWSML	FINML	<i>many others...</i>

Industry Initiatives

UDDI	Rosetta Net	OTA
SOAP	ebXML	<i>many others...</i>
XAML	OASIS	

Core XML Standards (W3C)

XML 1.0	XQuery	Reg/Rep
SAX	XLink	DTD's
DOM	XSL	Schema
	XSLT	

Electronic business today

- EDI - limited to large organizations
- Expensive implementations that many companies can't afford
- High cost-of-entry; inflexible.
- No business communicates solely in its supply chain
 - *need to exchange messages outside industry boundaries*
- XML initiatives underway for specific industries
 - *attempts at verbatim translation of EDI to XML*
- Consensus required on common requirements
- No common infrastructure means incompatibility, reinvention and segregated pockets of communication

The Future of Electronic Business

Source: Gartner Group

2000

- 75 percent of fortune 500 enterprises expected to use XML in at least one prototype project; 25 percent expected to use it in at least one production project.

2003

- 80 percent of application-to-application traffic over public networks expected to be in XML format.
- At least 75 percent of all XML documents expected to be matched with different internal non-XML data formats.

2004

- More than 75 percent of new B2B projects expected to use XML messaging.

Some Free Advice...

"Never plan further than 24 months out. Everything is going to be so different by then, why do it?"

Number One of Gartner's Top 10 E-Business Imperatives

Enter ebXML

- Worldwide project to standardize the exchange of electronic business data
- XML-based infrastructure to enable consistent, secure and interoperable message exchange
- Supported by hundreds of industry consortia, standards bodies, companies and individuals from around the world
- Sponsored by OASIS and the United Nations CEFAC

ebXML enables anyone, anywhere
to do business with anyone else
over the Internet

A global electronic market

where enterprises of any size, anywhere can:

- Find each other electronically
- Conduct business through the exchange of XML based messages
 - *using standard message structures*
 - *according to standard business process sequences*
 - *with clear business semantics*
 - *according to standard or mutually agreed trading partner agreements*
- Using off the shelf purchased business applications

ebXML Characteristics

- Participation is free and open to anyone, anywhere
- Complement, not compete
 - *EDIFACT, X12,...*
 - *protect existing infrastructure investment*
 - *“extend-and-embrace” versus “rip-and-replace”*
- Focus on needs of SME
 - *easy, low cost, rapid development & deployment*
 - *plug and play shrink wrapped solutions*
 - *built on open, available, proven standards*
- Modular and inclusive
 - *implement what applies to you*

Main ebXML concepts

- Business Processes – Defined as models, Expressed in XML
- Business Messages – Expressed in XML
- Trading Partner Agreement – Specifies parameters for businesses to interface with each other – Expressed in XML
- Business Service Interface – Implements Trading Partner Agreement – Expressed in XML
- Transport and Routing Layer – Moves the actual XML data between trading partners
- Registry/Repository - Provides a "container" for process models, vocabularies, and partner profiles.

Sponsored by UN/CEFACT

- United Nations Center for Trade Facilitation and Electronic Business
- Sets worldwide policy and technical development in trade facilitation and electronic business
- Developed international EDI standard, UN/EDIFACT
 - *one of only four international bodies able to set de jure standards*
 - *plans to officially accredit ebXML on completion*
- Has put XML initiatives on hold until ebXML delivers



UN/CEFACT's vision for ebXML

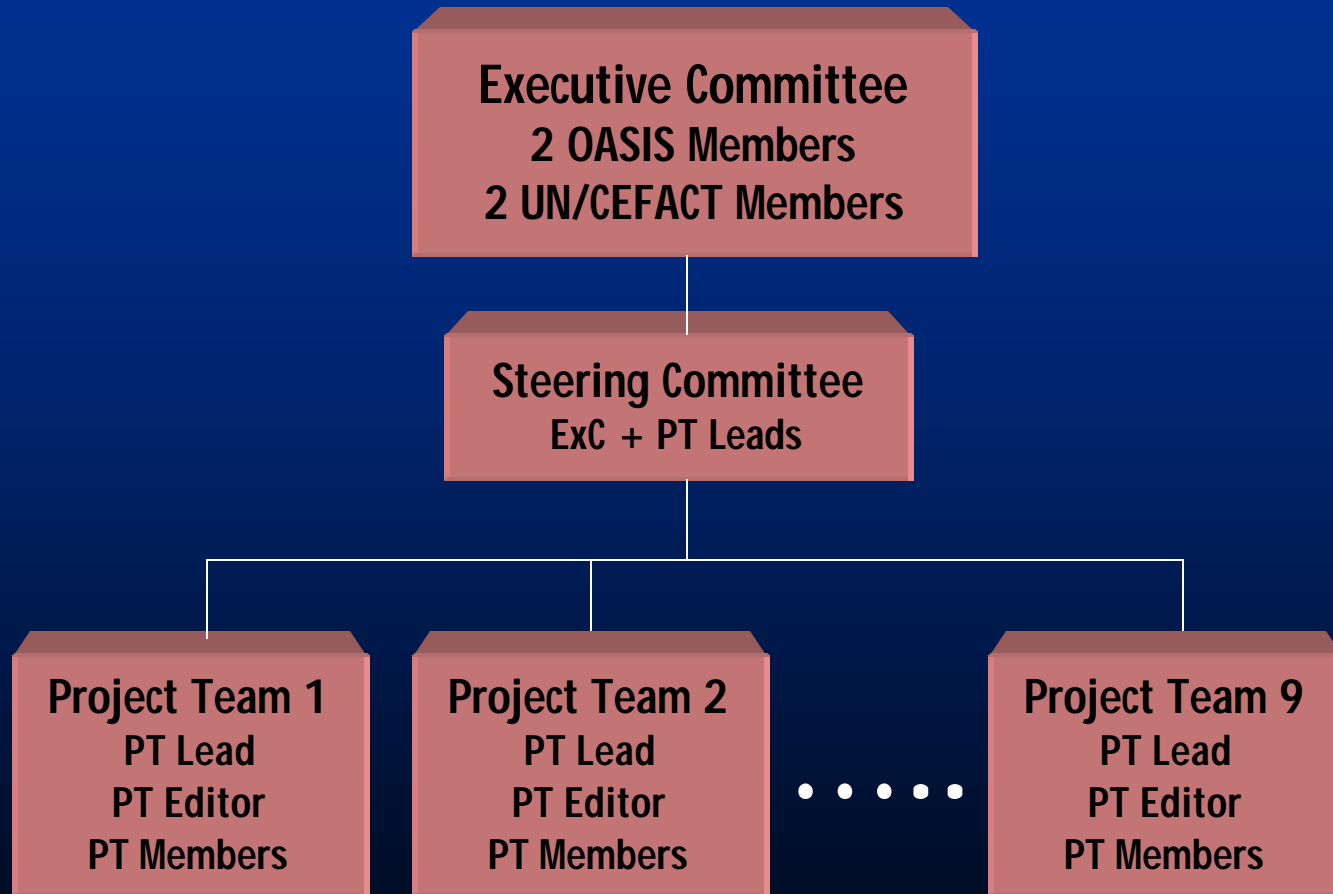
- 'Framework' using BPM, UML, and XML
- Standards bodies create models that define common processes to achieve a specific business goal
- Models are stored and registered globally
- Trading partners register their particular paths through the models
- ebXML-defined business process models, vocabularies, and messaging ensures interoperability

Sponsored by OASIS

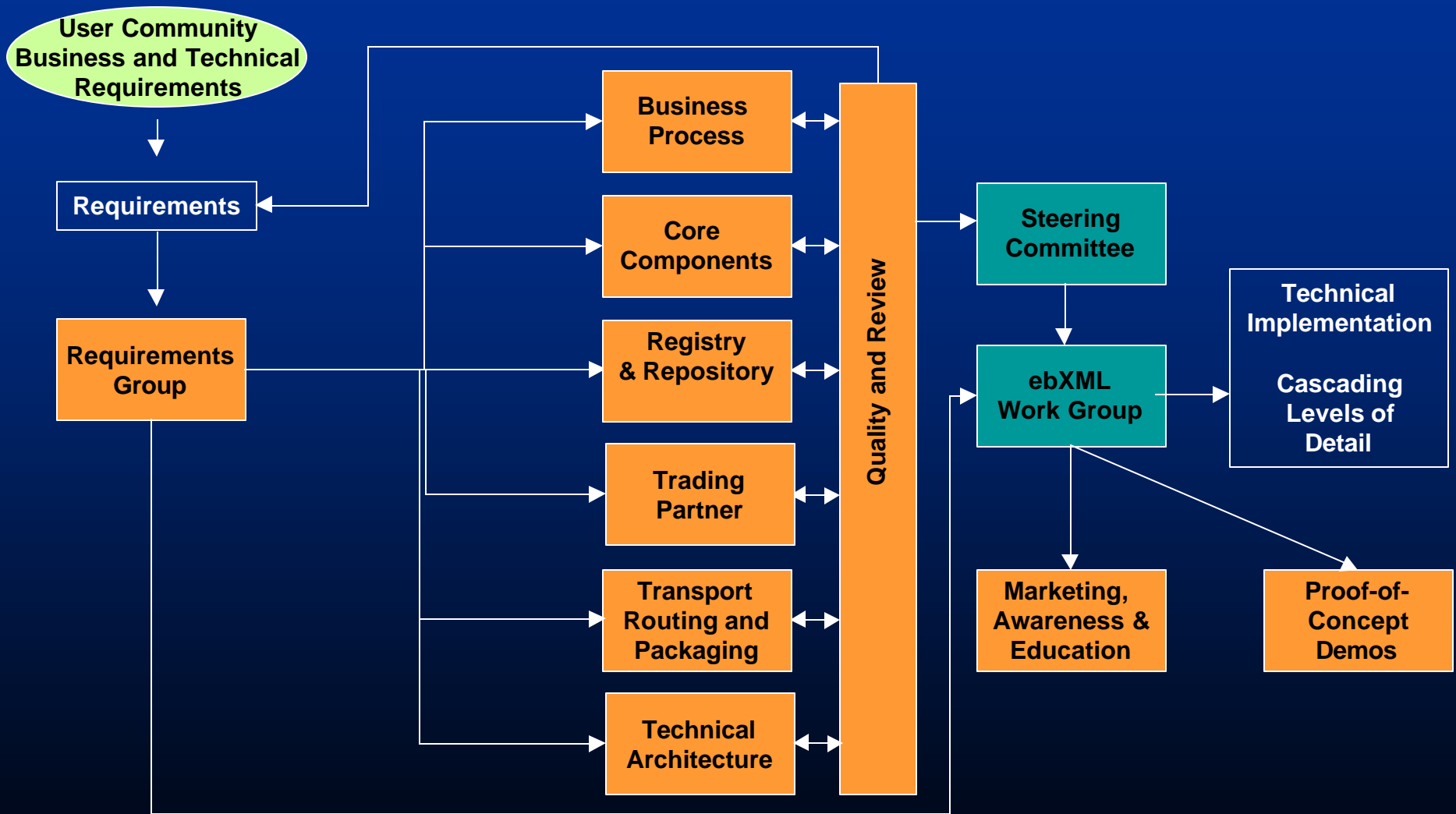
- World's largest independent, non-profit organization dedicated to the standardization of XML applications
- More than 150 member companies plus individuals
- Operates XML.ORG Registry, the open community clearinghouse of XML application schemas
- Technical work on XML interoperability includes XML conformance and XML Registries/Repositories
- General XML technical resource



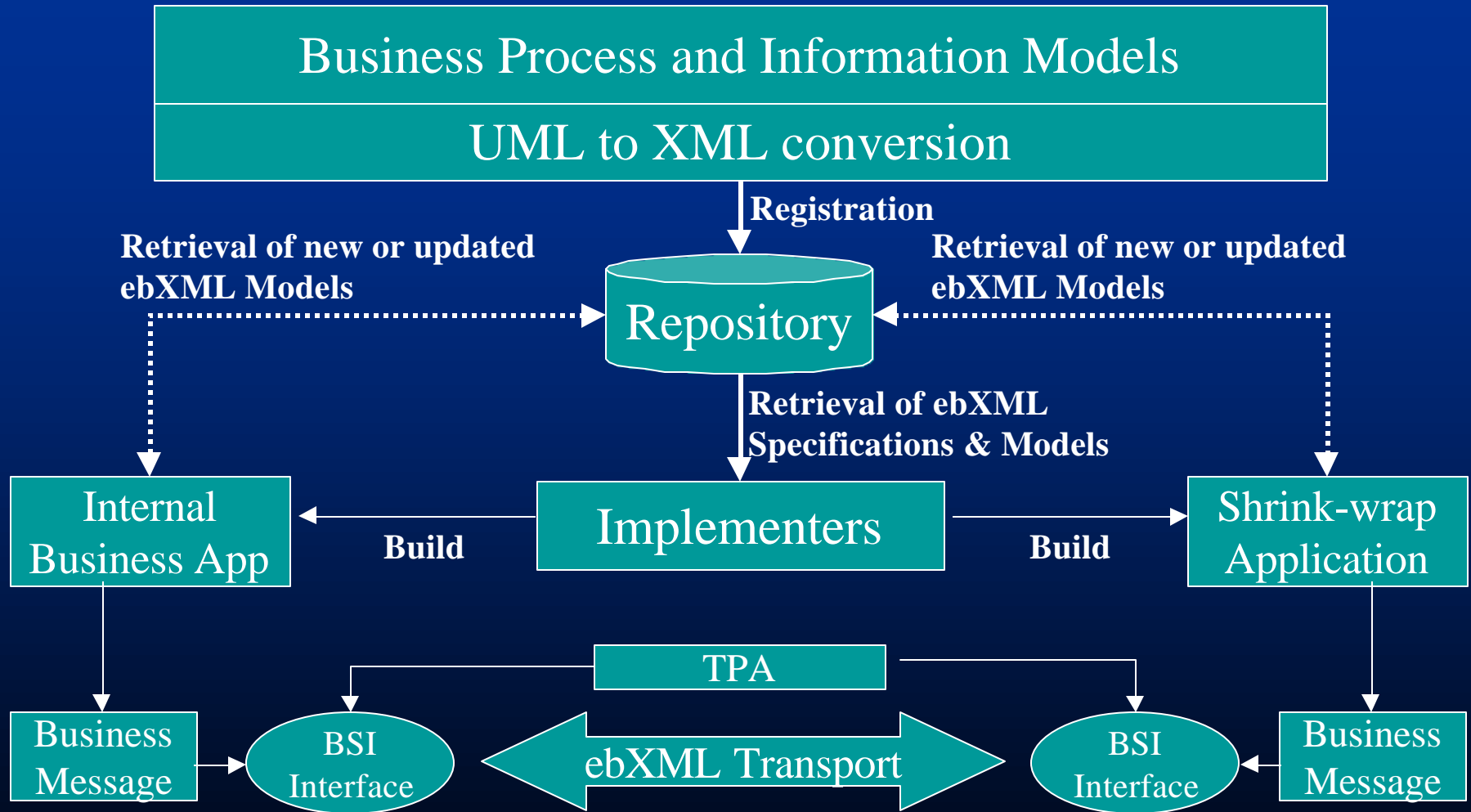
ebXML Management



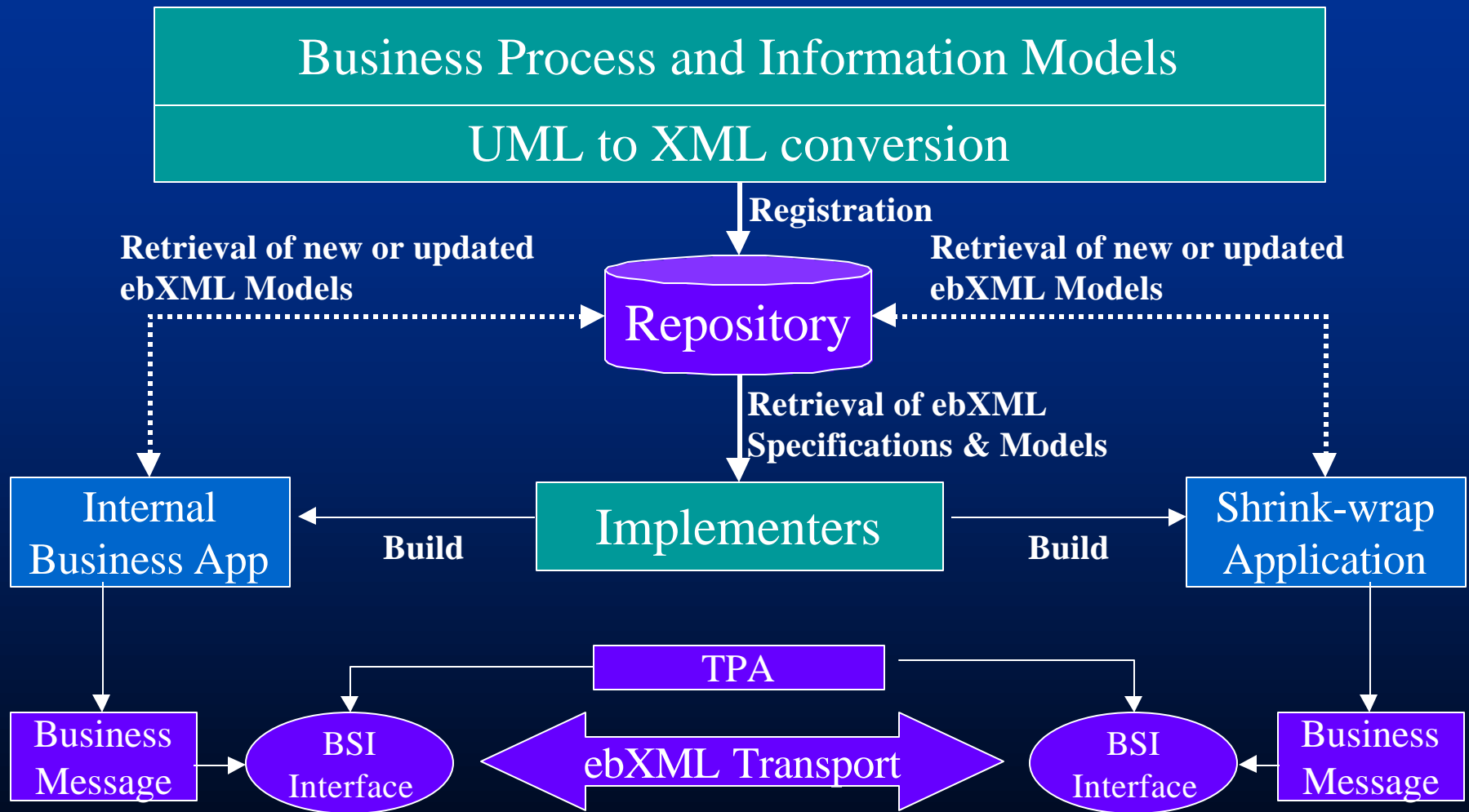
ebXML Project Teams



ebXML Architecture



ebXML Architecture



Usage Example

Company X



- Specifications
- Profiles
- Scenarios



- ebXML BO Library
- ebXML BP Model

11

DO BUSINESS!

Company Y



1 Request ebXML specification
2 Send ebXML specification

3 Build System

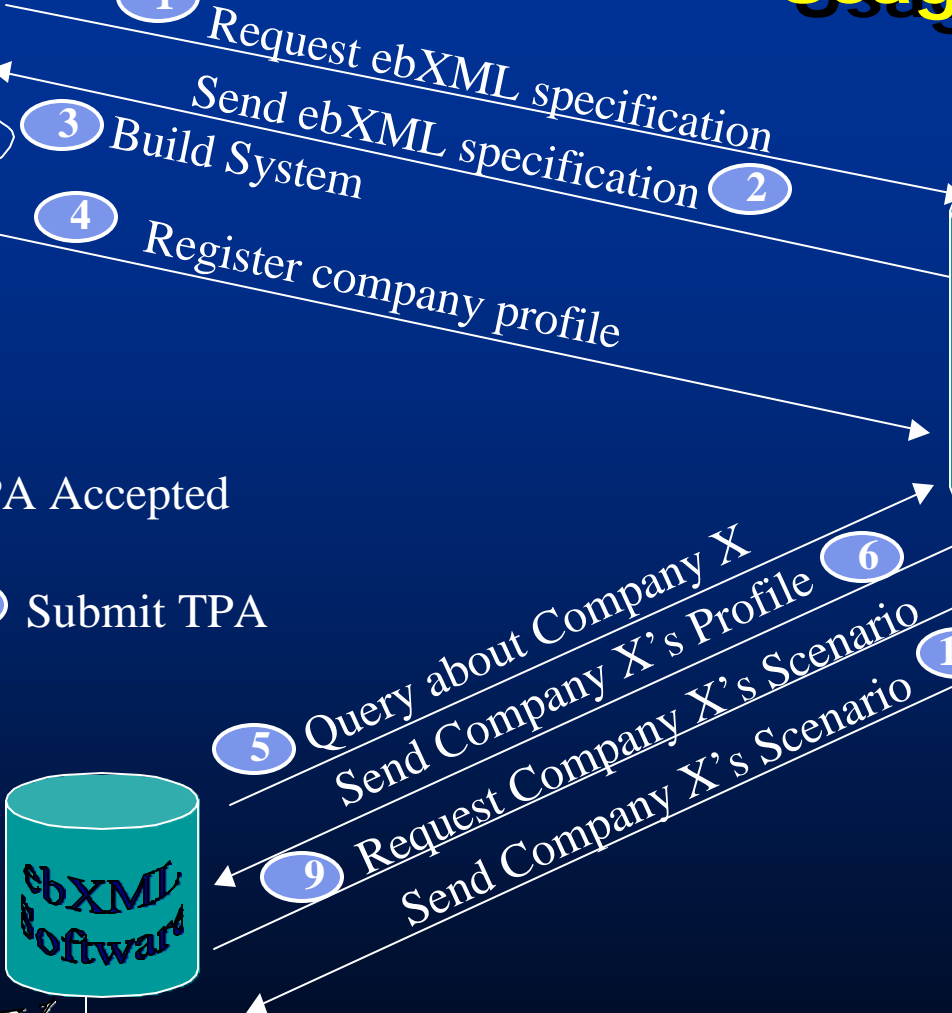
4 Register company profile

8 TPA Accepted

7 Submit TPA

5 Query about Company X
6 Send Company X's Profile

9 Request Company X's Scenario
10 Send Company X's Scenario





“ebXML is our only chance this decade to establish an international e-commerce standard.”



“ebXML provides a platform on which to build standards ... that are developed faster and yet supported by a rich set of software tools.”



"It is clear that ebXML will soon become the standard for all global trade. By implementing ebXML, GCI takes advantage of the excellent work that's being accomplished to streamline many EDI processes and remove waste and redundancy from supply chains."

Industry Groups Support ebXML



**OPEN INTERCHANGE
CONSORTIUM**



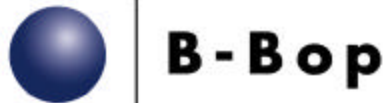
The Open Healthcare Group



Accredited Standards Committee X12

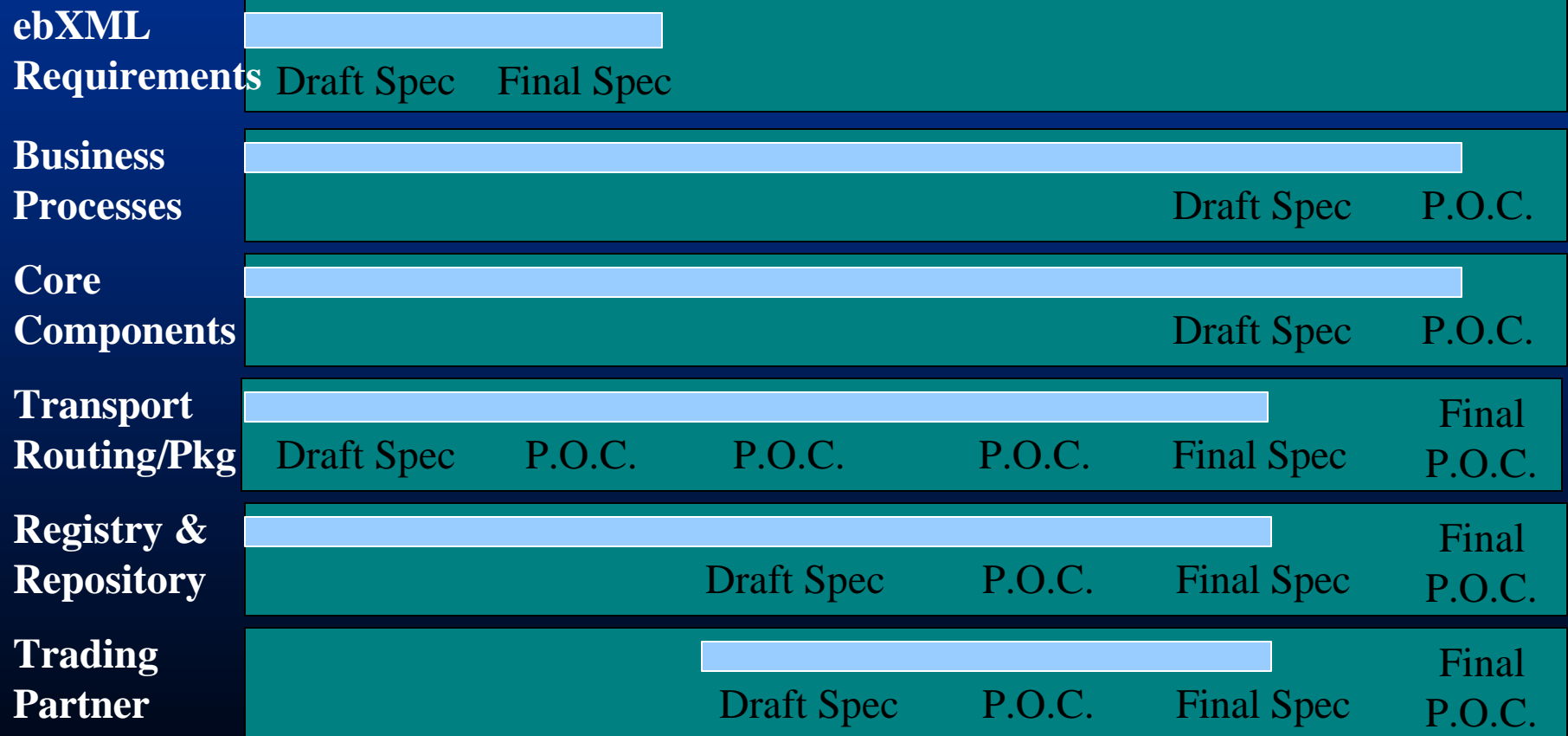


OASIS Members Support ebXML



ebXML Timeline

Orlando, FL USA Feb 2000	Brussels Belgium May 2000	San Jose, CA USA Aug 2000	Tokyo Japan Nov 2000	Vancouver Canada Feb 2001	Vienna Austria May 2001
--------------------------------	---------------------------------	---------------------------------	----------------------------	---------------------------------	-------------------------------



 Open Comment Period

How to Participate in ebXML

- Subscribe to general e-mail list and project team lists
- Review published specs and work-in-progress on <http://www.ebxml.org>
- Participate in open email dialogue & discussions
- Attend the next quarterly face-to-face meeting

ebXML for your strategic planning

- It's real and it's coming fast
- The only complete and integrated b2b infrastructure available
- Now in deliverable phase
 - *multi-vendor, proof-of-concept demonstrations*
 - *vendor support announcements*
 - *adoption by verticals*

Summary

- **Global in scope, participation and support**
 - *participation is free and open to anyone, anywhere*
 - *focus on needs of businesses not using EDI*
 - *UN CEFAC, OASIS & >1,200 participants around the world*
- **Evolutionary development and deployment**
 - *simple, low cost, technologies (HTTP, SMTP, XML, UML)*
 - *complement, not compete with EDI*
 - *modular architecture; use what you need*
- **Now in delivery stage**
 - *specifications & Proof of Concept demos*
 - *core infrastructure specifications coming soon*



Get involved.

<http://www.ebxml.org>