



## Completing the e-business transaction™

### Overview

Net market makers (exchanges, auctions, hubs, portals, 3PLs, e-banks) are quickly becoming a major force in the Internet economy. As this market role continues to grow, trading exchanges and others are faced with a key challenge—when buyers and sellers meet at an exchange and agree on a price for a transaction, what happens next?

Completing the e-business transaction is clearly the biggest challenge today in global trade, since most exchanges lack the infrastructure and tools to move beyond an online meeting place.

Net markets need to empower buyers to receive the exact goods they ordered, at the agreed upon price, and have it delivered to the right place on time. Sellers require their goods to be shipped efficiently and reliably, in compliance with the sale, so they can receive timely and accurate payments while recovering shipping and handling costs.

In order to add the value members are seeking, exchanges need to accommodate payments, shipments, and authenticate transactions. A global exchange should provide services enabling import and export, regulatory compliance and trade finance.

TRADEPAQ makes all of this happen. **TRADEPAQ for Exchanges** provides an integrated solution suite for Net markets that delivers the means to enable buyers and sellers to complete guaranteed, binding contracts online. TRADEPAQ delivers the fulfillment infrastructure so Net markets can move beyond the meeting place phase and complete the transactions required for success in e-business.

### Application Infrastructure

- **Confirmation and affirmation of transactions**—offers can be sent and/or confirmed to provide legal and non-repudiable proof of the

transaction. Buyers and sellers complete the purchase process by securely exchanging contracts;

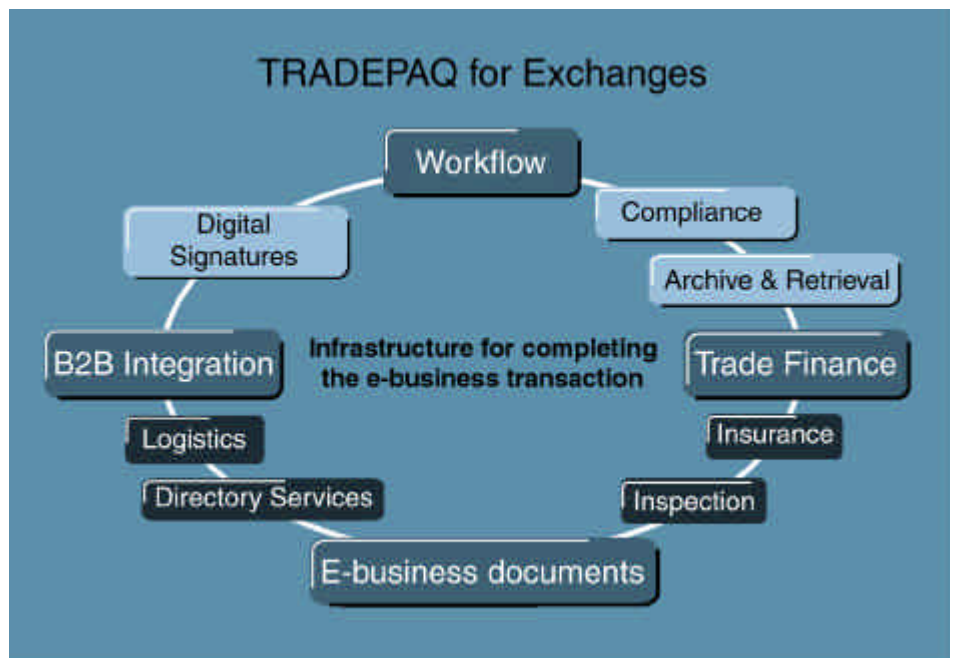
- **Order fulfillment**—provides all documents, workflow, communications, record archival, and data integration for order completion;
- **B2B Integration**—enterprises, exchanges, 3PLs, and banks can communicate for full transaction integration;
- **Authentication**—comprehensive security provides certificate-based electronic signatures and authentication;
- **Logistics**—includes access to carriers to define and begin the logistics process. Buyers and sellers arrange logistics through their carrier with B2B receiving/tracking information;
- **Access**—provides access to directory services, insurance carriers, inspection services, customs brokers, freight forwarders, and governmental agencies;
- **Settlement**—buyer and seller can settle through their banks with the B2B receiving/tracking information. Secure and streamlined online payments provide buyers, sellers, and

exchanges with convenience, flexibility, and risk reduction.

### Benefits

- Enables buyers and sellers to complete guaranteed, binding contracts online;
- Buyers get the goods they bargained for, on time;
- Sellers ship the goods on time, in the most effective manner, and get paid;
- Exchanges provide the best possible user experience, giving members another reason to return;
- Strengthens relationships with new direct, secure connections across multiple computing platforms, applications, and protocols;
- Provides confidence for members to import and export through the exchange;
- Creates supply chain efficiencies;
- Shortens receivables cycle, netting faster payments with reduced order processing time;
- Scales to support high transaction volumes.

[More...](#)



## Functions & Features

### Workflow

- Event-driven workflow creates notifications for exchange members to take action when it is needed;
- Rules-based triggers start up processes needed to drive transactions to completion;
- Web-based data collectors enable entry of the data elements necessary to complete an e-business transaction;
- Enhances usability and customer service through Internet-based workflow;
- Workflow rules determine exactly what processes and documents are required for each transaction; how processes and documents are communicated; and where multiple copies of processes and documents are routed.

### Documents

- Library of hundreds of documents ready for immediate use;
- Automatically generates all necessary domestic, import/export, regulatory, and logistics documents, and routes them to the proper destinations;
- Prints document sets in the right languages based on ship-to-destination or language code;
- Prints shipping documents with barcodes that meet the customer's logistics specifications;
- Integrates with an exchange's database to print custom documents with member logos and graphics;
- Enables re-prints, multiple output targets, and multiple copies of the same document;
- Outputs via printer, e-mail, fax, XML, EDI, PDF, and bolero.net;
- Example documents: **Business**—purchase orders, invoices, exchange contracts;  
**Regulatory**—MSDS, mill certificates, hazardous material; **Logistics**—bills of lading, packing lists, container labels; **Export / Import**—NAFTA, EUR1, SAD, SED, commercial invoices, certificates of origin.

### Archive and Retrieval

- Archives transaction history,

providing audit trails with date and time stamps;

- Archives document data and images, with a recall of up to 10 keys;
- Document archive and retrieval enables recall, reprinting, and redistribution of historical records of transactions.

### Trade Finance

- Settlement via banks, credit cards, escrow, funds transfers, standard documentary credits, and collection terms with agreed closing and payment dates;
- Allows importers and exporters to aggressively move into new markets with tools that minimize risk and enhance cash flow;
- Accelerates advice of LCs and amendments and virtually eliminates discrepancies;
- Includes multi-currency international funds transfer capabilities;
- Provides the exporter with the means to get paid quickly by delivering trade finance documents that agree with the bank's terms;
- Enables complete management of LCs and related amendments.

### B2B Integration

- Direct secure connections across multiple computing platforms, applications, and protocols;
- Business community integration and trading relationship management;
- Mission-critical data transformation and integration;
- Transfers real-time information between exchange and member enterprise systems using XML-based connectivity;
- Parsing and validating XML messages using a URL path to the DTDs.

### Security, Authentication, and Non-Repudiation with Digital Signatures

- Digital signature-based security authenticates transactions and participants' identities;
- Buyers' offers and sellers' confirmations can be sent and confirmed via digital signatures; B2Bs can now provide trade

execution guarantees to their members.

### Compliance

- Denied Party Screening—provides an easy-to-use system that performs complex searches to comply with OFAC and United Nations regulations.
- Regulatory Compliance—clearly demonstrates the commitment to compliance.

### Technology Highlights

- TRADEPAQ for Exchanges can be hosted by the exchange, and is also available from TRADEPAQ via an ASP service;
- Integrates with leading exchange front ends and back-end ERP applications;
- Supports JAVA browsers such as Internet Explorer or Netscape;
- Provides full scalability as your business grows;
- Incorporates patented rules-based functionality that addresses the unique last-minute trade requirements of trade logistics and finance;
- Runs on Microsoft NT operating system;
- Supports interconnecting technologies including XML, ebXML, cXML, SWIFT, bolero.net, ANSI X12 EDI, EDIFACT EDI, W3C XML, and Microsoft BizTalk.



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### World Headquarters

TRADEPAQ Corporation  
33 Maiden Lane, 8th Floor  
New York, NY 10038 USA  
tel: +1.212.482.8080  
fax: +1.212.233.3240 info@tradepaq.com  
<http://www.tradepaq.com>