

Systrends

Standardizing B2B Technologies

eTariff Management System

eTariff

April 2009

Agenda

- **Introductions**
 - B. Richmond
 - D. Darnell
- **Company Background**
- **Products & Services**
 - **Transaction Transporter (T^2)™**
 - **Hosted Services**
 - **eTariff Management System**

Systrends

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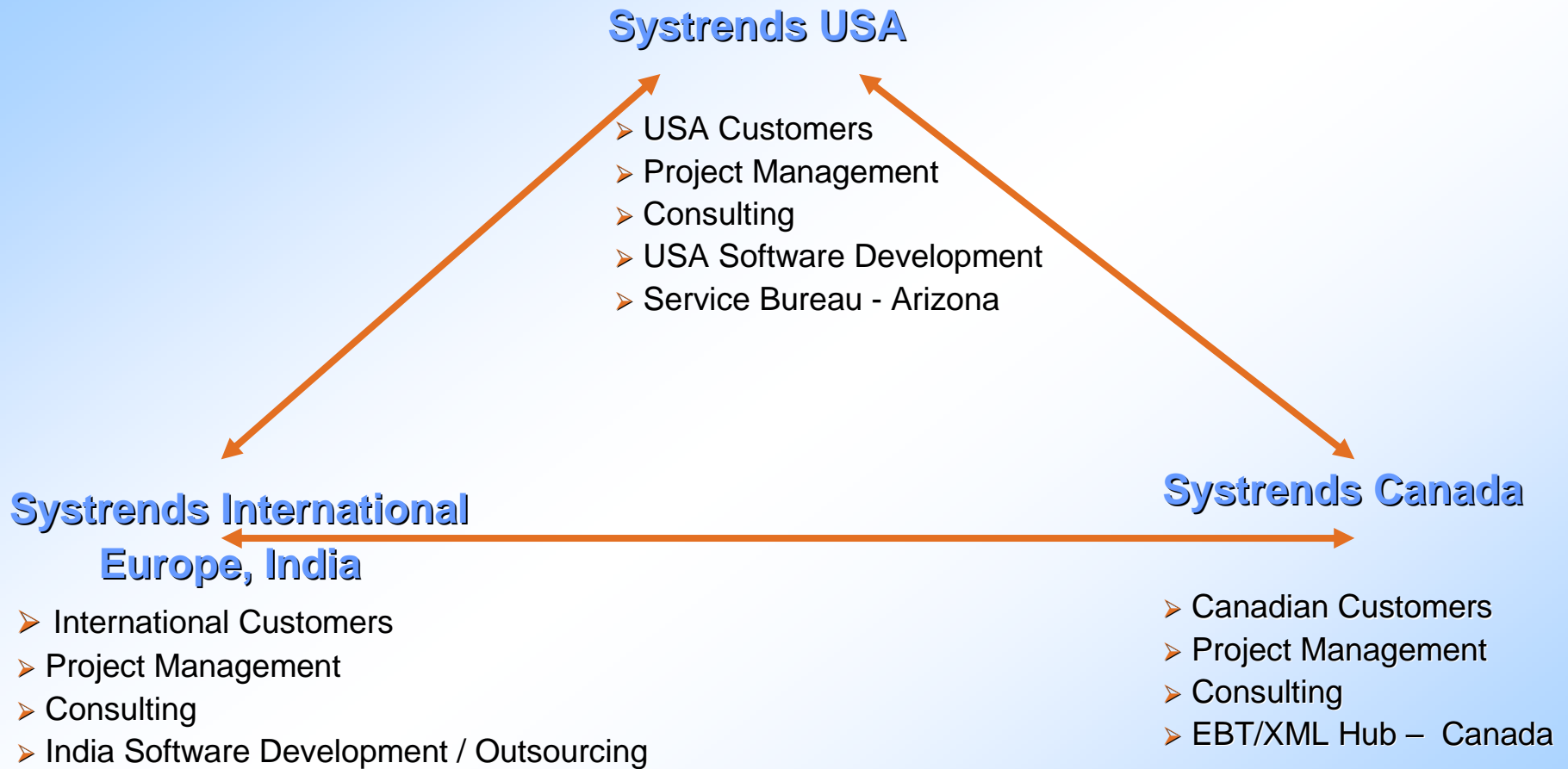
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eTariff

Company Background

- **Founded in 1986**
- **Specialization: B2B eCommerce (EC) Technologies**
- **Software Products**
- **Hosting Services**
 - *Toronto, Ontario, Canada*
 - *Hamilton, Ontario, Canada*
 - *Phoenix, Arizona, USA*
 - *Tempe, Arizona, USA*
- **Professional Services**

Systrends Company Structure



Competitive Advantage - Standards Development and Leadership

We are actively involved in many of the leading standards organizations, task forces, and working groups

- **Board of Directors – North American Energy Standards Board (NAESB)**
- **Chair**
 - GISB / NAESB XML Work Group
 - The Utility Industry Group (UIG) XML Work Group
 - The UIG Technology & New Ventures Committee
 - The Ohio Data Exchange Work Group
 - NAESB REQ Technical Electronic Implementation Subcommittee
 - EDIINT Work Group in ANSI ASC X12C
- **Active member of the ANSI X12, NAESB, OASIS, TDTWG, GS1, OEB EBT WG organizations**
- **ANSI X12 Rep to Healthcare Information Technology Standards Panel (HITSP)**
- **Co-Chair**
 - NAESB EDM (GISB EDM)
 - The Pennsylvania Electronic Data Exchange Working Group (EDEWG)
 - Transaction Set Owner of the District of Columbia EDI Committee
 - IEC TC57/WG16 (Framework for Energy Market Communications)
- **Founding Chair / Group Leader**
 - The Texas Data Transport Working Group
 - Ontario Energy Board's (OEB) EBT/XML Standards Development Task Group
 - The Arizona EC / EDI Roundtable
- **Co-Chair**
 - GS1 – eTG (eCom Technology Group)
- **Work Group Leader**
 - X12 Work Group on Cross-Industry Implementation Guide for EDIINT

Competitive Advantage - Energy Industry Expertise

- **EDI & XML Experience:** Spoke & Hub Solutions, Services, Consultation, Documentation and Training
- **Standards:** ANSI ASC X12, UN / EDIFACT, ebXML, IETF EDI-INT, UIG, GISB/NAESB EDM, WEDI, OEB EBT
- **Protocols/Security:** TCP / IP, SMTP, POP3, IMAP, HTTP, HTTPS, FTP, FTP / SSL, TELNET, Security technologies (PKI, PGP, S/MIME, & SSL), S / MIME, PGP, HTTPS / SSL, Firewalls, and VPN/Tunnels
- **Energy Deregulation Market Leadership:** International experience in many Markets, Industry Standards Committees & Working Groups
- **Integrated Solutions Development:** XMLbridge™ & Transaction Bridge™ & Transaction Transporter (**T2**)™ & **eTariff**

Clientele by Industry/Region

US Energy

Allegheny Energy Services
APS Energy Services
Bangor Hydro Electric
Boston Gas (N-Star)
Brazos Electric Cooperative
Central Hudson Gas and Electric
Central Maine Power
Cinergy/Duke
Commonwealth Energy Corporation
Dynegy Inc
Electric America
Exelon
ISO-NE
New West Energy
Occidental Power Marketing
PECO Energy
Pedernales Electric Cooperative
Potomac Electric Power Company
Rayburn Country Electric Cooperative
Salt River Project
Sharyland Utilities (Hunt Power)
Texas Commercial Energy
Texas New Mexico Power/PNM
TXU

Electronics/ Semiconductor

Honeywell,
Insight
Motorola
TRW
Western Design Center
InfoEnergy

Government/Associations

Data Interchange Standards Assoc.
Department of Defense (DOD)
ERCOT
NASA
NY PUC
Ohio PUCO
Ontario Energy Board (OEB) on
behalf of Hydro One
TRW/BDM/United States Air Force

Technology/Software

Excelergy
IPNet
Logica
SCT Utility Systems
Viasoft
Daffron
Harris

Retail

Arrow Products Inc
Café Valley Inc
Competition Friction
Dashmat Saddleman Inc
Demos LTD
Paradiso, LTD
SONY Pictures
Unelko Corp
Warner/Elektra/Atlantic
Chic Scents Inc

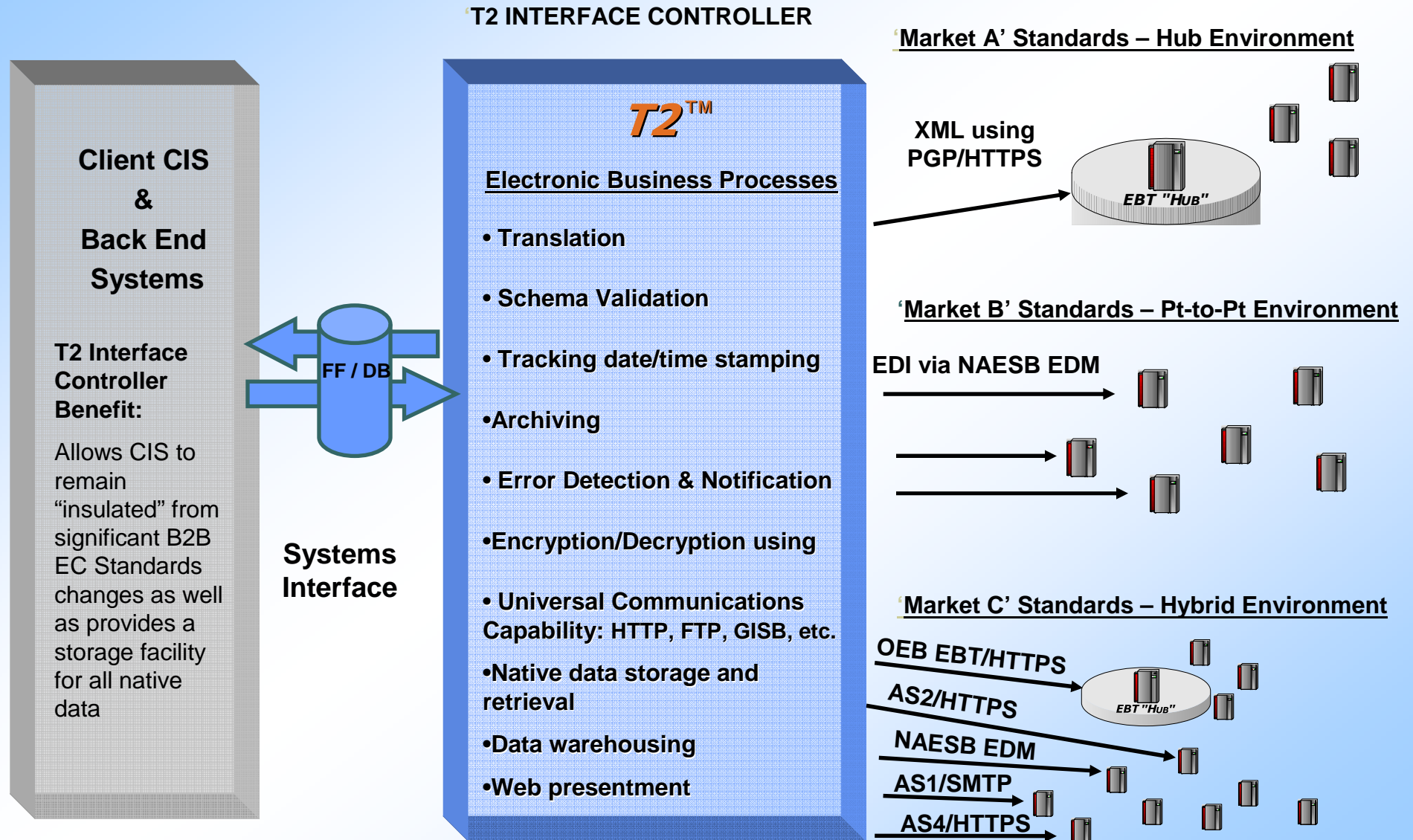
Canadian Energy

Brant County Power
Burlington Hydro
Chatham Kent Hydro
City of Brantford
Clinton Power Corp
Dutton Hydro Limited
EnWin Utilities
Essex Power
Festival Hydro
Gravenhurst Hydro
Hamilton Hydro
Hydro One
Innisfil Hydro
Lakeland Power
Lakefront Utilities
Middlesex Power
Newbury Power, Inc
Oshawa hydro
Richmond Hill Hydro
Planet Energy
St. Catharines Hydro
Union Gas
Vaughan Hydro
Veridian Corporation
Waterloo North Hydro
West Perth Power, Inc
Whitby Hydro

Europe Energy

Electricity Supply Board of Ireland

Transaction Transporter T2™: The Multi-Market Solution



ECtrends™ Managed Services Overview

- **EDI, XML, and eTariff transaction processing**
- **Affordable alternative to in-house solution investment**
 - ✓ **Scalable to fit any budget**
 - ✓ **Reduces need for in-house resources**
 - ✓ **Allows clients to focus on core business**
- **ANSI EDI/XML & NAESB compliant Transaction Processing and Transport**
- **Provides Client remote access to real-time Activity Monitor**

Systemtrends

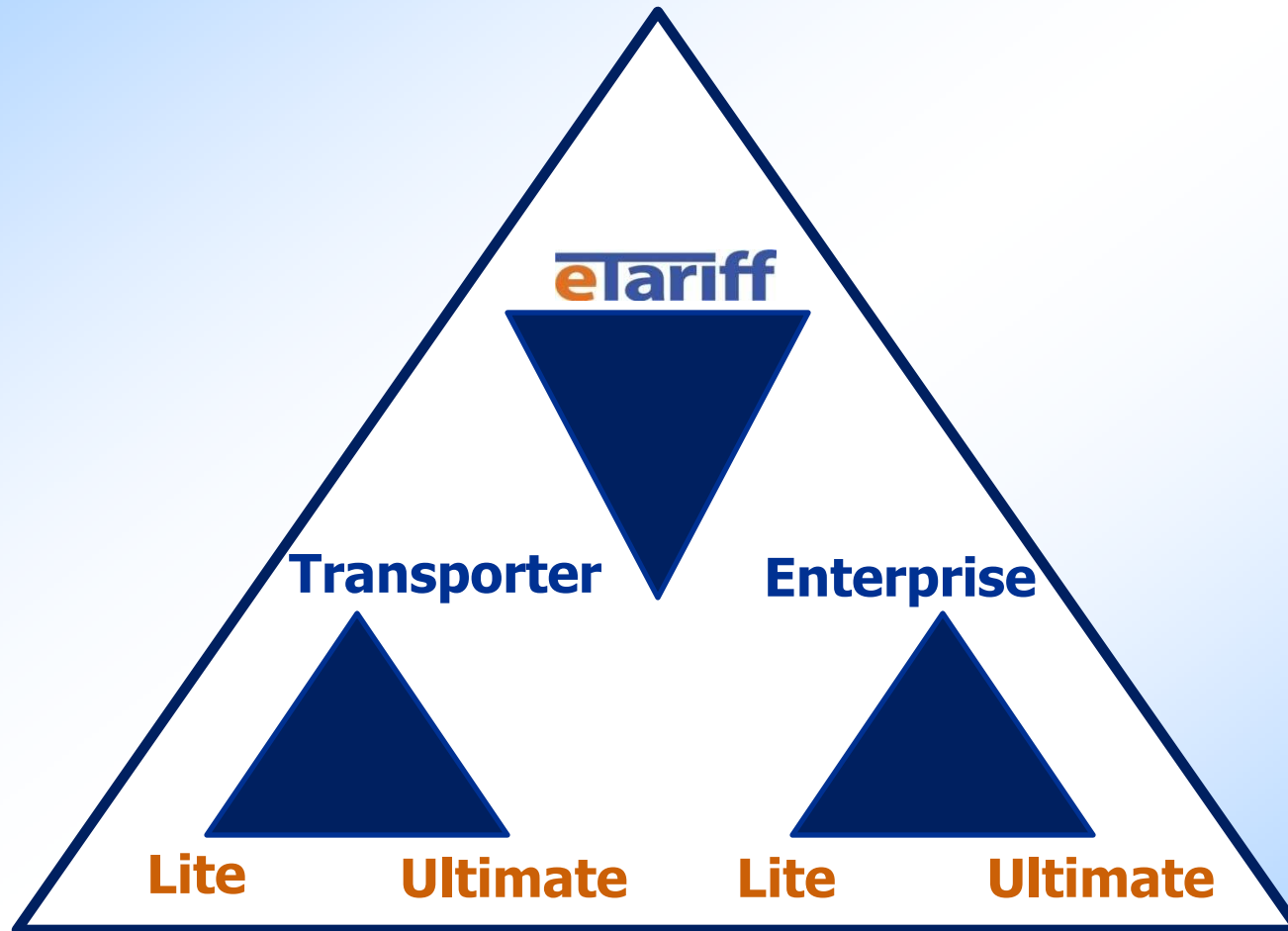
eTariff

eTariff Management System

eTariff Goals

- ✓ Create FERC Order 714 compliant XML.
- ✓ Import Tariffs directly from Microsoft Word.
- ✓ Provide an easy to use tool that will administer Tariffs and process FERC transactions.
- ✓ Facilitate workflow improvements to increase productivity.
- ✓ Customized user created reports and predefined reports.
- ✓ Track pending Tariff changes and accept approved changes back into Master Tariff documents.
- ✓ Maintain a comprehensive archive of Master Tariff changes and Tariff filings.

eTariff Product Suite





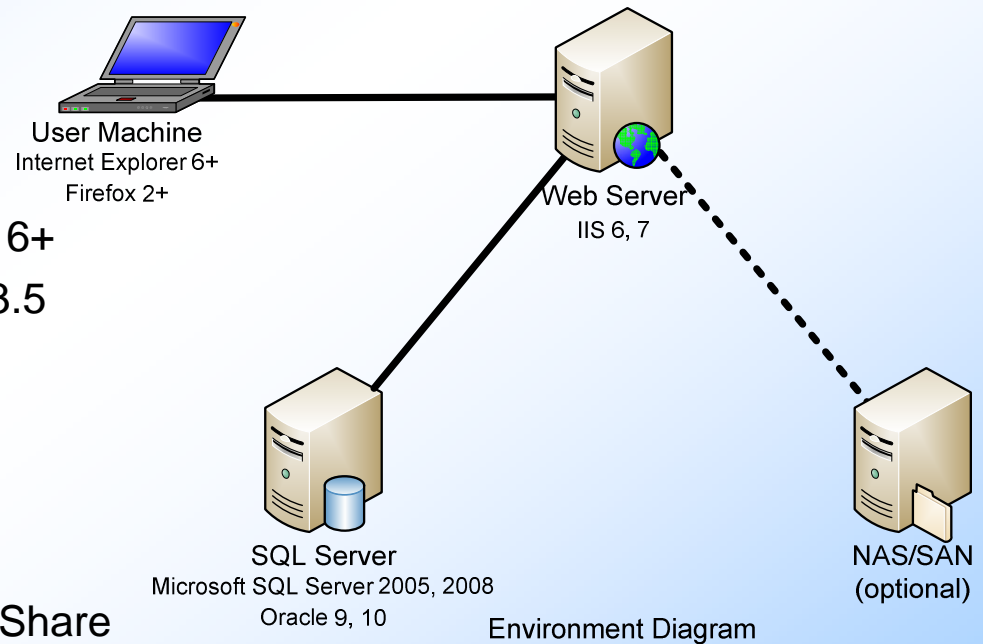
Product Features Comparison

Feature Summary	Transporter		Enterprise	
	Lite	Ultimate	Lite	Ultimate
Generate FERC Order #714 Compliant XML	●	●	●	●
Filing Tariff	●	●	●	●
Sheet Based Tariffs	●	●	●	●
Section Based Tariffs		●	●	●
Master Tariff			●	●
FERC Order			●	●
Import Tariffs directly from Microsoft Word	●	●	●	●
Basic Search	●	●	●	●
Advanced Search		●		●
Version Control		●		●
Multiple User		●	●	●
Multiple Company		●		●
Standard Dashboard			●	●
Configurable Dashboard				●
Active Directory Integration		●	●	●
Record Locking		●		●



Infrastructure Required

- Client
 - Internet Explorer 6+
 - Firefox 2+
- Web Server
 - Internet Information Server 6+
 - Microsoft .Net Framework 3.5
- Database
 - SQL Server 2005+
 - Oracle 9+
- File storage
 - NAS / SAN / Windows File Share



Demo

eTariff

Dashboard > Filings > Master Tariff > Reports > Admin

Welcome to the eTariff Management System, Bill Richmond.

Home > Settings, April 26, 2009 10:22 AM

File No.	File Name	File Type	File Status
100-10000000000000000000	100-10000000000000000000	100-10000000000000000000	100-10000000000000000000
100-10000000000000000000	100-10000000000000000000	100-10000000000000000000	100-10000000000000000000
100-10000000000000000000	100-10000000000000000000	100-10000000000000000000	100-10000000000000000000
100-10000000000000000000	100-10000000000000000000	100-10000000000000000000	100-10000000000000000000
100-10000000000000000000	100-10000000000000000000	100-10000000000000000000	100-10000000000000000000
100-10000000000000000000	100-10000000000000000000	100-10000000000000000000	100-10000000000000000000
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100-10000000000000000000	100-10000000000000000000	100-10000000000000000000	100-10000000000000000000
100-10000000000000000000	100-10000000000000000000	100-10000000000000000000	100-10000000000000000000

Dashboard > Filings > Master Tariff > Reports > Admin

Home > Settings, April 26, 2009 10:22 AM

File No. 100-10000000000000000000

Filing Date: 2009-04-26 10:22 AM

Added Record:

Accounted Filing Record:

Filing Settings:

Filing Type: 100-10000000000000000000

Registration Method: 100-10000000000000000000

Account ID: 100-10000000000000000000

File: 100-10000000000000000000

Tariff Properties:

Tariff Name: 100-10000000000000000000

Tariff Settings:

File Properties: Federal Power Act Electric (Traditional Use of Service and Market)

Account ID: 100-10000000000000000000

File: 100-10000000000000000000

Tariff System: 100-10000000000000000000

Tariff Order ID: 100-10000000000000000000

Dashboard > Filings > Master Tariff > Reports > Admin

Home > Settings, April 26, 2009 10:22 AM

File: 100-10000000000000000000

Tariff Name: 100-10000000000000000000

Tariff Properties:

File Name: Section 100-10000000000000000000

Account ID: 100-10000000000000000000

Account Security Level: 100-10000000000000000000

Account ID: 100-10000000000000000000

File: 100-10000000000000000000

Tariff System: 100-10000000000000000000

Tariff Order ID: 100-10000000000000000000

The eTariff project will provide functionality to transmit tariff filings using ANSI x12 transactions via the T3 EDI system to RSC. The application will be responsible for management of the tariff document changes and status reporting throughout the process.

Features:

The T3 eTariff project will provide functionality to transmit tariff filings using ANSI x12 transactions via the T3 EDI system to RSC. The application will be responsible for management of the tariff document changes and status reporting throughout the process.

Features:

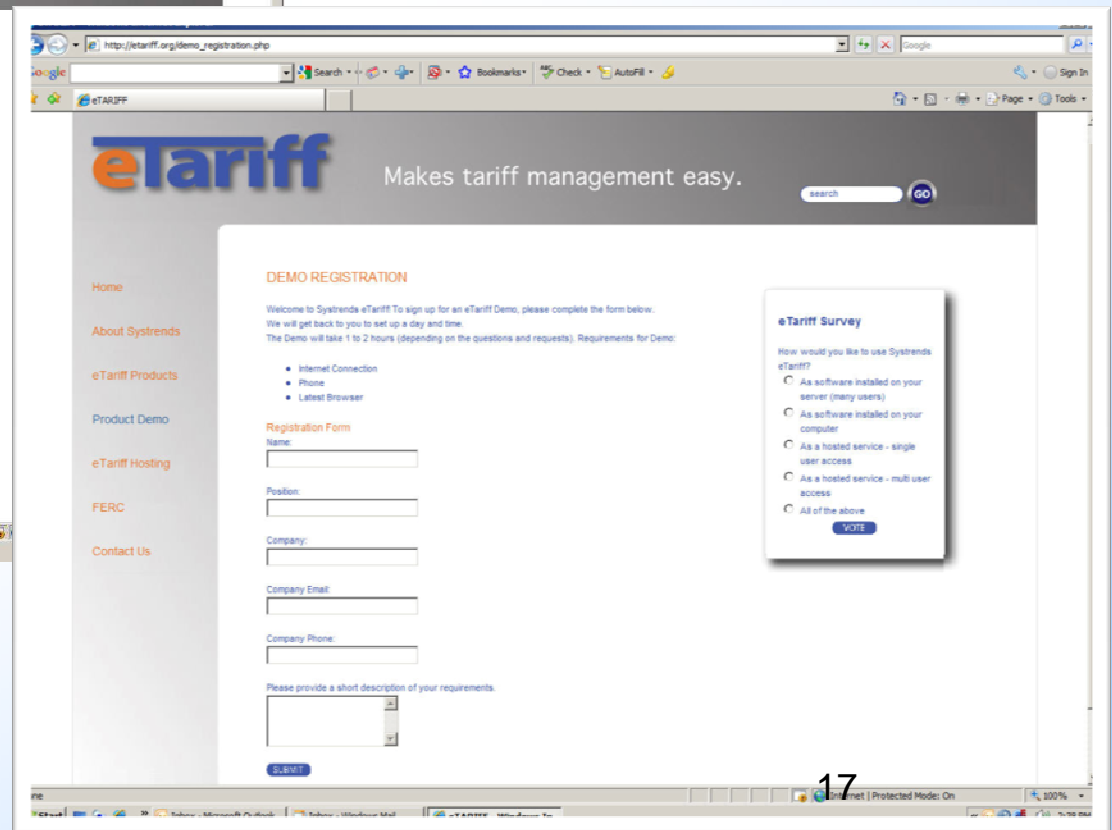
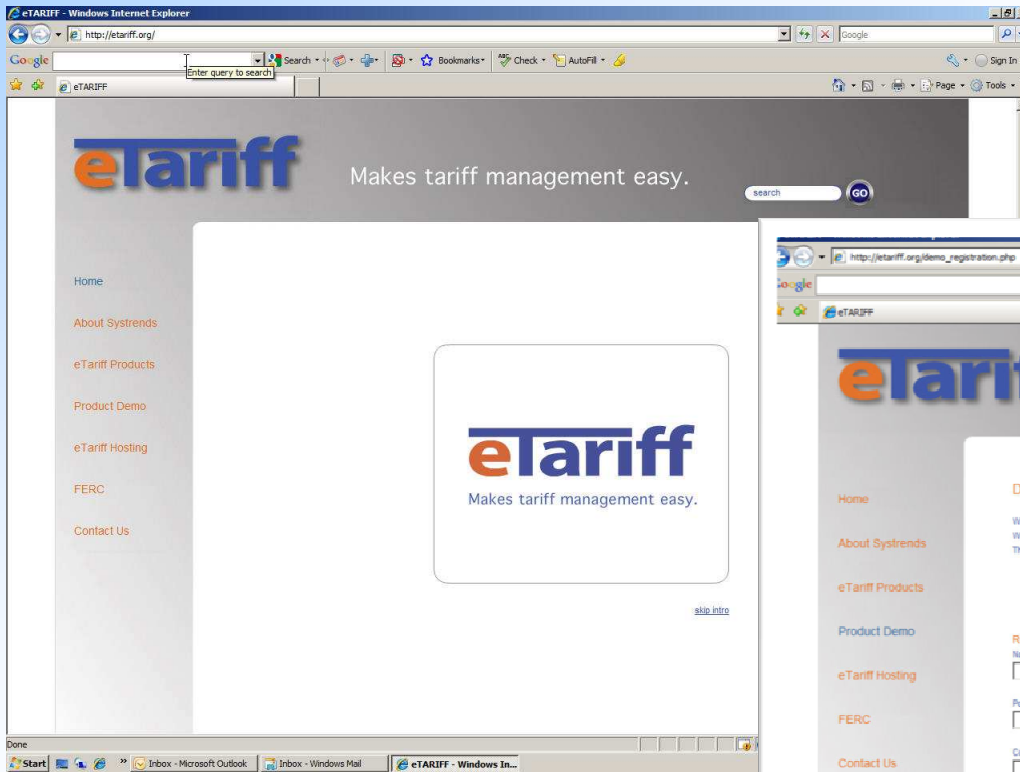
eTariff will be designed to serve the 2009 energy utility companies who are required to have systems available to RSC by the deadline April 2010 deadline. From that point forward all tariff exchanges will be conducted electronically using the ANSI x12 EDI transaction format. The user manual documents of this application will be available across the entire United States and Canada.

Dashboard > Filings > Master Tariff > Reports > Admin

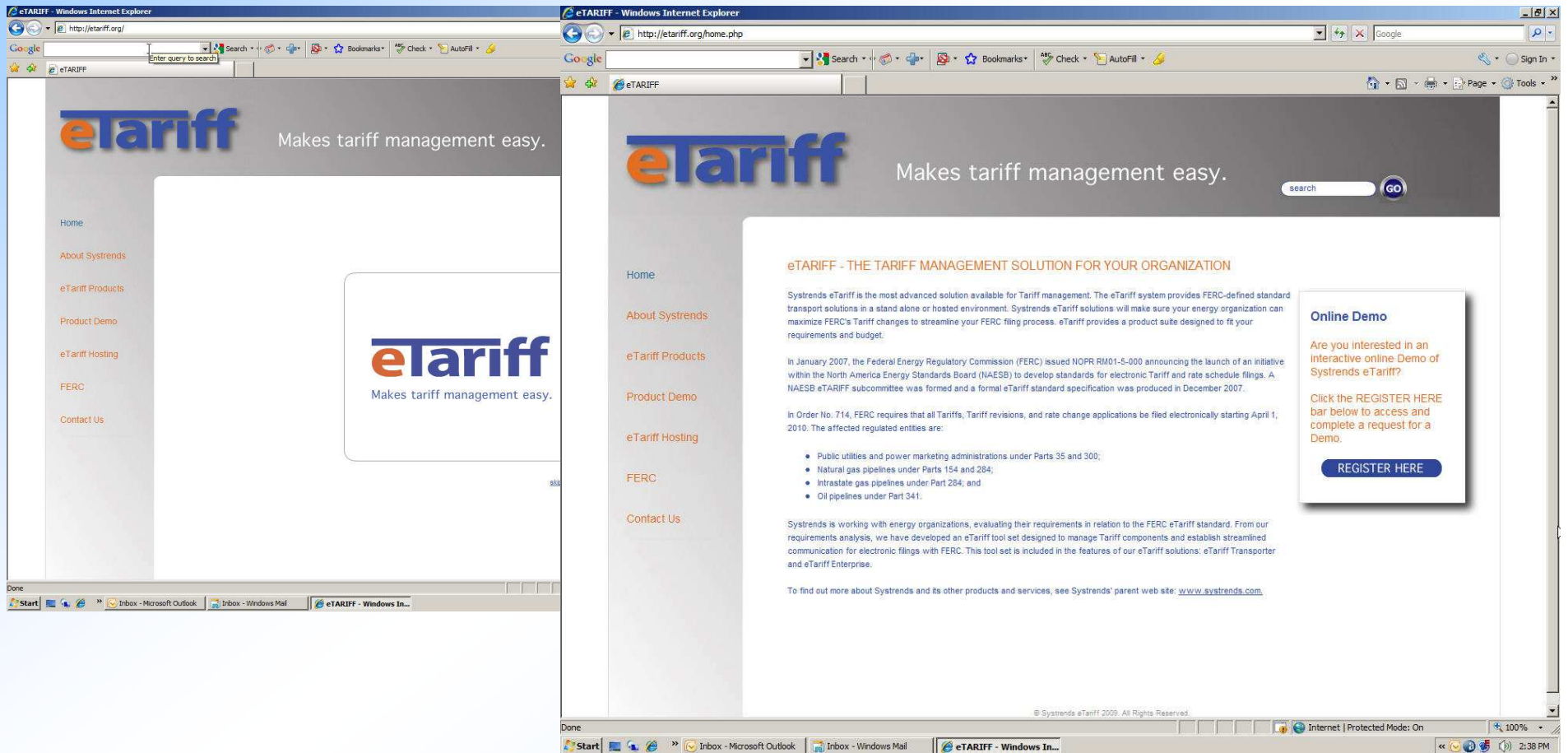
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File No.	File Name	File Type	File Status	File Date/Time
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***Go to www.etariff.info
to sign up for demo***



THANK YOU!



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