MPLS: Why and How?

Presented by Danellie Young
Director of Product Marketing
IP and Ethernet Services

Verizon Business Private IP

- **Private IP, a Layer 3 MPLS VPN, is Verizon Business's flagship network offering, providing a state-of-the-art platform for private IP communications along with Application Aware tools for optimal performance**
- **It is the foundation for most of our strategic product portfolio**
  - Voice over IP (VoIP)
  - Managed network services
  - Security services
  - Conferencing
  - Hosted network applications
- **Private IP continues to see tremendous growth**
  - Revenue has doubled in 2006 over 2005
  - Customer VPNs have increased by 49% in the past 12 months
  - The number of Customer Ports is up 64% in the past 12 months

McCarter & English, LLP

- Kenneth R. Levonaitis - Chief Information Officer with over 20+ years of experience in the IT field
- McCarter & English, LLP is a firm of over 400 lawyers
- In business for more than 160 years
- Offices in Boston, Hartford, Stamford, New York City, Newark, Philadelphia, Wilmington, and Baltimore
- Clients range from Fortune 100 companies to mid-market and emerging growth companies

McCarter & English, LLP
Decision Criteria

Previously using Private T1s, Frame Relay and VPNs with a mix of carriers

- One Carrier- Looking for one provider for WAN and Collocation services for 8 locations
- One Network- Looking for a carrier to provide a converged network to support both Voice and Data
- Service Issues - Having issues with downtime and not being informed of outages
- Resilient Network- Need for a backup and failover solution

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Solution and its Benefits

- Chose Verizon Business's Private IP MPLS Solution with Managed Network Service and Collocation Services in 2006
- One provider and network to support both Voice and Data traffic- experiencing efficiencies
- Running QoS to prioritize Voice Traffic- Implemented Cisco's Call Manager, Unified Messaging, Unity client
- Managed Network Services to monitor the network - running Citrix across network
- Stringent Service Level Agreements (SLAs) for network performance
- Resilient network- installed dual circuits and routers

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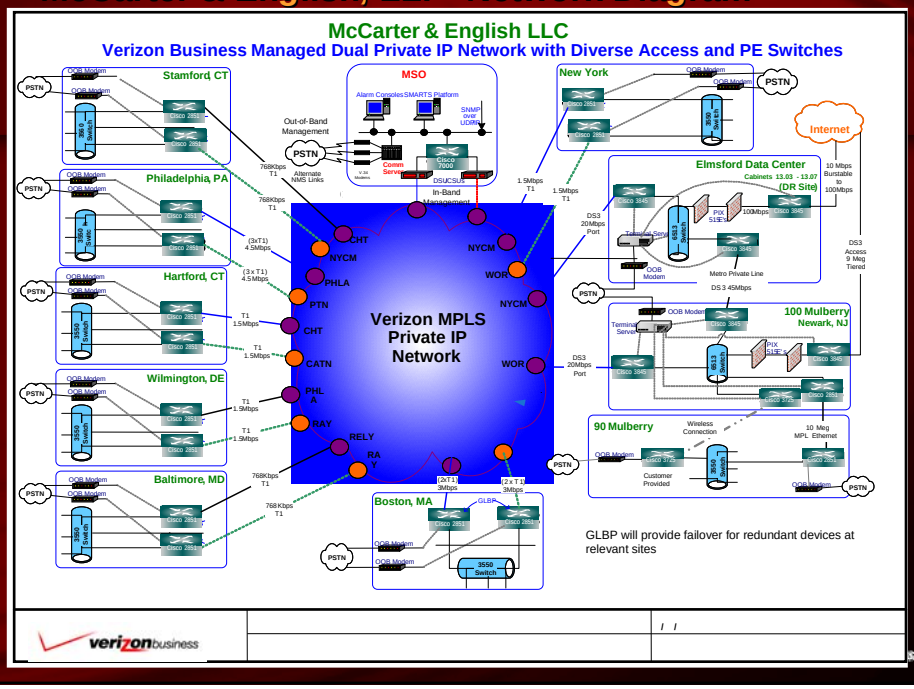
McCarter & English, LLP- Network Diagram



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May 3, 2007

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DTCC – Depository Trust & Clearing Corp.

- World's largest financial services post trade infrastructure
- Settle in excess of $1.4 Quadrillion per year, with over 56 million trade sides per day
- Multiple Data Processing and Office locations worldwide
- Over 950 Participant connections worldwide
- Stability, Reliability, and Business Continuity are our major goals

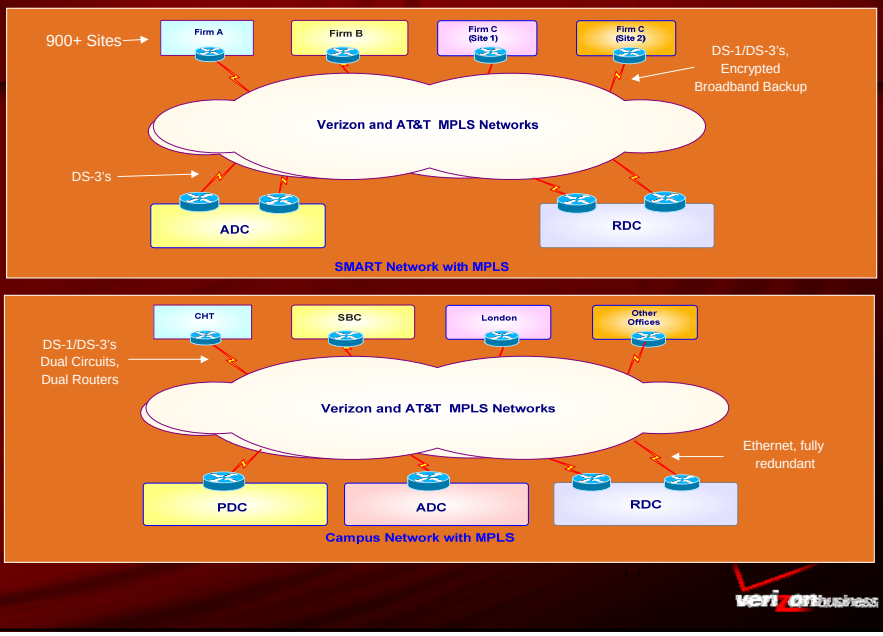
DTCC - Business and Technical Drivers

- SMART – increased bandwidth, growing number of sites, security
- Campus – offices growing, convergence of voice, video, data.
- Global expansion – need for ubiquitous network worldwide
- Migration to browser based apps…driving bandwidth up substantially

DTCC - Benefits of MPLS

- Control cost – low rates from carriers, fewer endpoints
- Provides network infrastructure to support DTCC offices and Participant locations worldwide
- Simplified network management – less routes and addresses to maintain
- Allows us to manage 'quality of service' when sharing connections for data, voice, and video
- Support for higher speeds, various access types

DTCC Network Architecture



Thank you!

- **Q & A**
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