Verizon Asynchronous Transfer Mode (ATM)
Seamless Network Solutions
PROPRIETARY STATEMENT

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ATM Defined

- Fixed length of 53-byte cell
- Support for voice, video, and data (high bandwidth)
- Multiple quality of service classes
- Sub-DS-1 to SONET speeds
- Cell-switched, connection-oriented service
- Connections can be:
  - Virtual path connection (VPC)
  - Virtual channel connection (VCC)
  - Permanent (PVC – permanent virtual circuit)
Verizon ATM Products

• ATM
• FRASI (Frame Relay to ATM Service Interworking)
• IP VPN Remote Services-Network Based Remote Access Solution through the Secure Gateway Services
• Event Monitor Proactive Notification
Service Components

• Local access:
  – Available at DS-1, E-1, nxDS-1, DS-3, E-3, OC-3, and OC-12 speeds

• Virtual connections

• ATM port connection:
  – Available at DS-1, E-1, nxDS-1, DS-3, E-3, OC-3, and OC-12 speeds
Verizon ATM Features

- U.S. nationwide, on-net, end-to-end service
- International, on-net, end-to-end service
- Correspondent-based services
- Multiple interface rates
- Multiple service classes:
  - CBR (constant bit rate)
  - VBR-RT (variable bit rate – real-time)
  - VBR-NRT (variable bit rate – non-real-time)
  - ABR (available bit rate)
  - UBR (unspecified bit rate)
Traffic Parameters

- CLR = cell loss ratio
- CTD = cell transfer/transit delay
- CDV = cell delay variation
- PCR = peak cell rate
- CDVT = cell delay variation tolerance
Traffic Parameters

- SCR = sustained cell rate
- BT or MBS = burst tolerance or maximum burst size
- CBR = constant bit rate
- MCR = minimum cell rate
- VBR-NRT = variable bit rate – non-real-time
- VBR-RT = variable bit rate – real-time
ATM Geographical Coverage
Verizon ATM Applications

- Global corporate backbone
- Virtual reality
- CAD/CAM
- Collaborative engineering and development
- Boardroom quality video
- Multimedia
- Geophysical and medical imaging
- Compressed video distribution
Pricing: One Simple Rate Plan

• **Non-recurring:**
  – Installation charges

• **Monthly recurring:**
  – Port charge (by speed)
  – PVC charge (by speed and service class)
  – Access charges (by speed)

• **PVC Pricing:**
  – One price for intra-U.S.
  – One price for intra-Europe
  – One price for U.S. to Europe
Verizon Business Delivers an Integrated Global Solution

- Single, seamless network in many locations
- Facilities-based, end-to-end data services:
  - Local access networks
  - Long distance facilities
  - Cross-border infrastructure
- Focus on broadband requirements:
  - Frame Relay, ATM
  - Internet
- Independent, integrated, full-service communications
Strengths of Verizon ATM

• Predictability/low delay
• Ability to accommodate high bandwidths (scalable)
• Support for multimedia applications (voice, data, video)
• Integrated networks
• Support for both local area networks (LANs) and wide area networks (WANs)
• Scalability:
  – Access speeds from 1.544 Mbps to 622 Mbps
Strengths of Verizon ATM

- End-to-end seamless and fully integrated ATM service in many locations worldwide
- Single-service provider solution
- Quality of service (QoS) across applications
- Advanced network architecture capabilities and performance
- Technical expertise – 24x7
- Simple rate plan
- Competitive SLAs
For More Information

• To speak to a Verizon Representative about whether ATM is right for your business:

  – Fill out a consultation form at:  

  Or

  – Call 1-800-201-1452, press 2