

DCN Managed Network Service

Introduction

DCN's Managed Network Service allows businesses in North Dakota the ability to create an affordable, reliable, efficient and secure wide area network. DCN, along with its member telephone companies have created an IP (Internet Protocol) network that serves over 80 percent of the state of North Dakota. Broadband circuits can be ordered based on the bandwidth requirements at each branch office. T1, DSL and cable modem access are a few of the connectivity options available.

The experienced technical staff at DCN will be continually monitoring the status and performance of your wide area network.

Cisco VRF Technology

DCN's Managed Network Service utilizes Cisco's VRF (virtual routing/ forwarding) technology. The VRF creates a private, secure network within DCN's private IP core. Each customer on DCN's IP network will have a totally secure separate IP network within DCN's IP network.

Service Offering

DCN's Managed Network Service includes:

- Local Broadband Connection
- Customer Specific VRF Port
- Network & Hardware Management
- Internet Access

Network Management

Management Functions:

- Provisioning and coordination of CPE (customer premise equipment) and circuit installation
- Distributing and installing VPN-enabled CPE and VPN software clients where needed
- Installing security and QoS policies
- 24 X 7 Network Monitoring by DCN NOC
- Performing future IOS software upgrades if needed
- Facilitating performance management, fault identification and resolution
- Billing, reporting, service additions, service removals, and change functions
- Access to Online network reports

Single Point of Contact

With DCN's Managed Network Service, you can deal with a single vendor for all of your remote business locations, regardless of their broadband connection. Whether it is DSL, T1 or Cable access, DCN will act as the single point of contact for all installations, repair, and billing issues that arise.

Security/ Firewall Services / Virus Protection

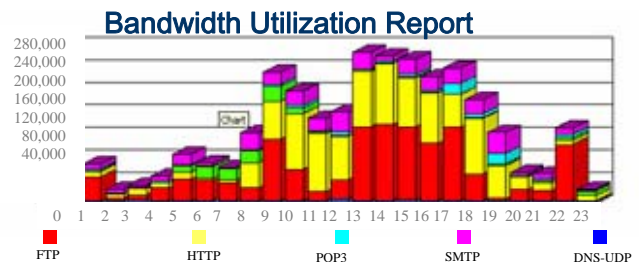
With DCN's Managed Network Service all remote office locations will be centrally routed through DCN's carrier class firewall. Each customer can implement separate security policies based on individual needs. Customer's traffic will be encrypted with the latest data encryption technology available.

In addition, customers will have access to the most up to date network based antivirus services. DCN will detect, quarantine, and eliminate viruses and worms in real-time. IDS (Intrusion Detection Service), IPS (Intrusion Prevention Services), as well as DDoS (Distributed Denial of Service) protection services will be provided as part of DCN's Managed VPN Service.

Internet Bandwidth Management

Network Convergence has forced businesses to be more aware of bandwidth utilization over the internet.

Web access to bandwidth utilization reports classifies customers Layer-7 traffic. Enabling customers to identify which applications are utilizing the most bandwidth on their internet connection.

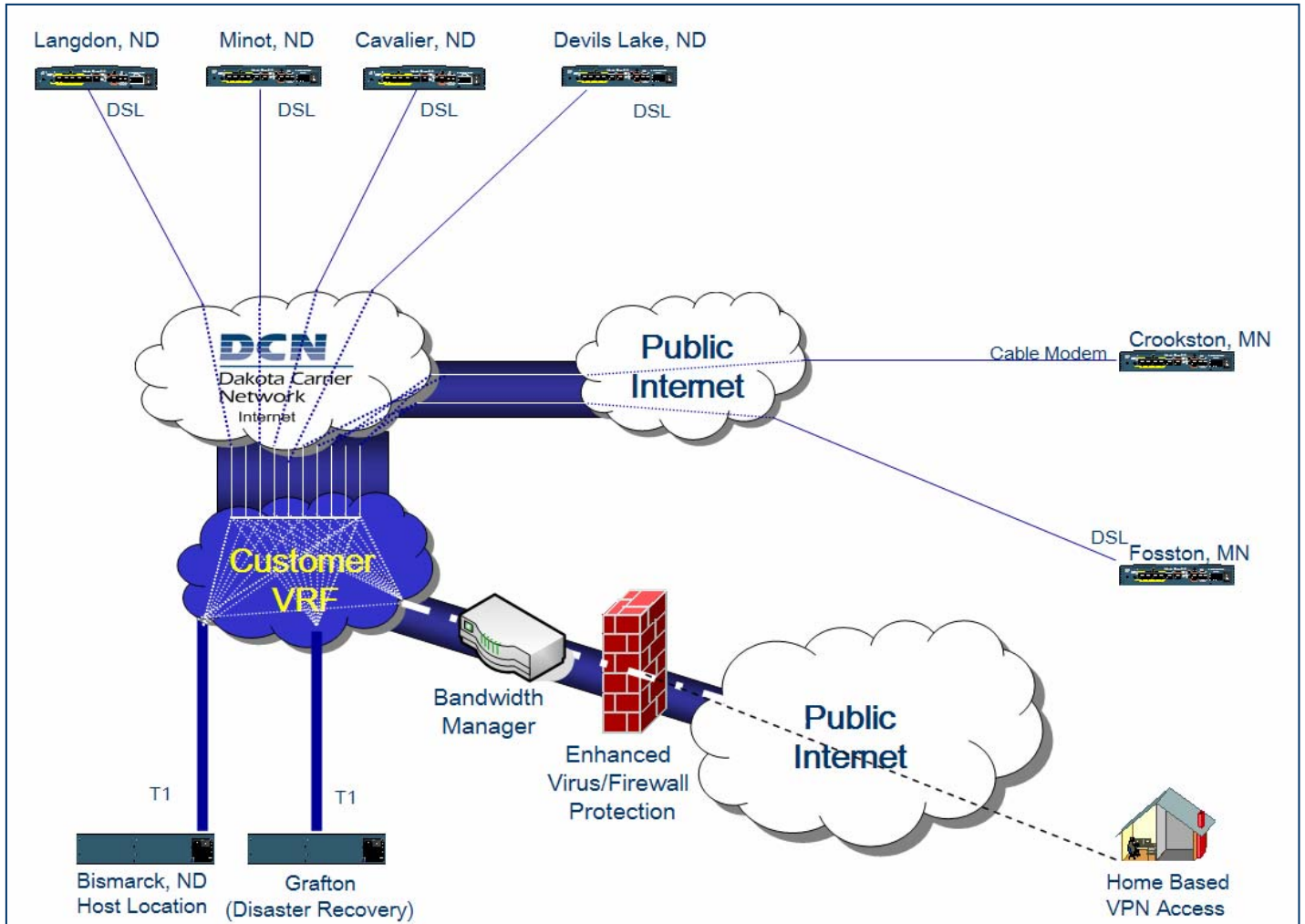


Mobile User Access

In today's mobile environment, users require the ability to access the corporate network while traveling. DCN's Managed Network Service allows mobile users remote access via VPN (virtual private network) access to the corporate LAN via username and password authentication.

DCN Managed Network Service

DCN Managed Network Example



DCN Managed Network Service Powered By:



For More Information

For more information log onto DCN's website at www.dakotacarrier.com or call 800-814-3333.

DCN Headquarters
112 Roberts Street
 Fargo, ND 58108
800-814-3333
www.dakotacarrier.com

DCN Network Operations Center (NOC)
1615 Capitol Way
Bismarck, ND 58105
800-296-5956
www.dakotacarrier.com

800-814-3333

www.dakotacarrier.com

