

State of Vermont: Network Modernization Initiative

Presented by:

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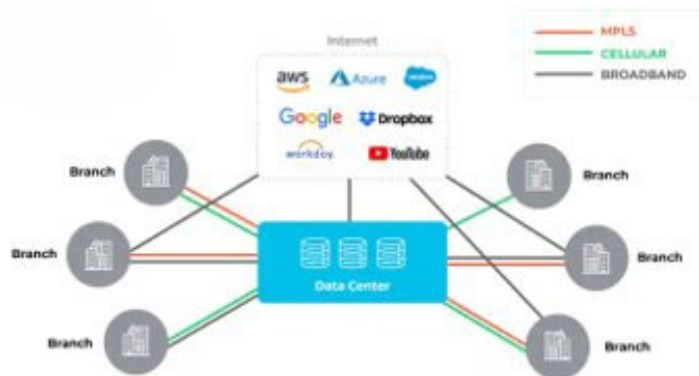
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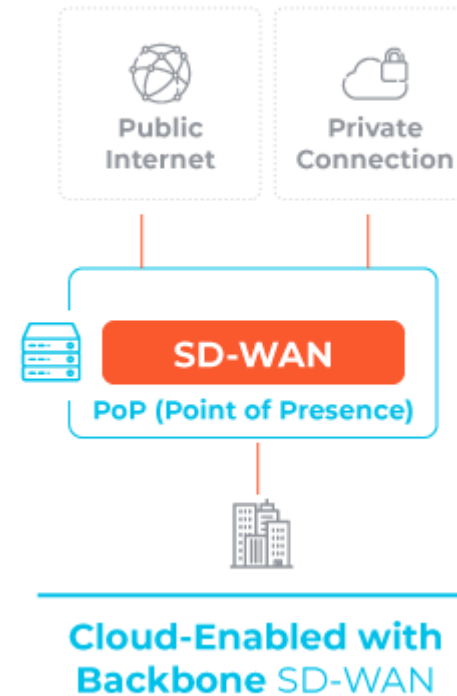
Urgency of Current State

- Overview of Current Challenges:
 - Current Network Status: 320 Sites at Risk:
 - Designed before mobile networks, Cloud and Work-from-Anywhere
 - Many components at End-of-Life (EOL)/End-of-Support (EOS)
 - Persistent and Pernicious High Network Capacity Utilization
 - Lack of resiliency and many single points of failure exist.
 - Complex and inefficient routing leading to difficulty with making changes.
 - Dependence on costly connectivity from a limited subset of carriers.



Future State

- **SD-WAN** (Software-Defined Wide Area Network) is an intelligent network overlay that abstracts the underlying transport connections.
 - It provides centralized control and dynamic routing to optimize network traffic across multiple links.
 - This allows businesses to leverage diverse connectivity options
- **Key Benefits of SD-WAN:**
- Improved application performance: SD-WAN prioritizes critical traffic.
 - Increased network resiliency and redundancy: By utilizing multiple connections, SD-WAN ensures uptime even if one link fails.
 - Reduced costs: Businesses can leverage lower-cost internet connections while maintaining performance through SD-WAN.



Project Status

Budget

- Intent to award is in-flight to the chosen finalist.
- Intended awardee proposal validated our pre-RFP budget estimates.
- Our project budget proposal (IT-ABC) will be updated based on contract details.
- We remain under procurement non-disclosure rules until Contract is signed.

Milestone/Deliverable	Target Date
Project Start Date	12/1/2023
Exploration	
IT ABC Form Executed	3/25/2024
Finance Codes	3/29/2024
Initiation Phase	
Stakeholder List	3/29/2024
Project Charter	3/29/2024
Planning	
Request For Proposal	4/29/2024
Independent Review (Over \$1M in lifecycle)	6/21/2024
Contract	6/21/2024
Updated IT ABC Form	6/27/2024
Execution	
Implementation Schedule	7/8/2024
Design, Implementation and Validation	12/16/2025
Closing	
Final Deliverable/Product Acceptance	12/18/2025
Lessons Learned	12/19/2025
Closeout Report	12/20/2025
Final IT ABC Form	12/31/2025
Project End Date	12/31/2025