

# SD-WAN Helps 1Wire Fiber Take Their VoIP Delivery to the Next Level



Turnium SD-WAN enables a UCaaS or VoIP provider to deliver bandwidth, reliability and redundancy, anywhere, using any available circuits.

## About 1Wire

[Visit Website](#)

### Headquarters

Utah, USA

### Founded

2006

1Wire Fiber of Salt Lake City, Utah deployed Turnium to provide the network and quality of experience necessary to ensuring a quality voice experience. Turnium gave 1Wire the ability to manage and control the network and resulting application experience end-to-end for each of their customers. 1Wire can use any Internet circuit available at each customer site to provide Quality of Service (QoS), better ROI, and redundancy. As shown in the case study below, Turnium allowed 1Wire to design and deliver a network that allows voice services to be delivered reliably and consistently.

“ With a target market and customer base that typically relies on widely available broadband connections, control of the speed, reliability and quality of internet connectivity has been a challenge. Until SD-WAN, this was a constant headache for us and our customers.

- Adam Sessions  
CEO, 1Wire



Software-Defined Wide-Area Network (SD-WAN) combined with Voice over Internet Protocol (VoIP) is a powerful technical and business combination. As businesses continue with digital transformation, they are moving away from on-premise voice systems to cloud and hosted voice platforms. Hosted voice offers a wide array of features, functionality, and business benefits that on-premise solutions cannot deliver especially in mid-market and in multi-site deployments; It expands reach, while maximizing team collaboration.

**To learn more about differentiating your VoIP business**



## Deploying Turnium ad hosted VoIP

1Wire Fiber, based in Salt Lake City, Utah, recognized the value of managing network conditions and providing cost-effective redundancy to its business success and customer experience.

**“Our VoIP Services are built on time tested (over ten years) and fully supported enterprise Hosted PBX technology”,** says 1Wire CEO, Adam Sessions. **“Because the platform is software based, 1Wire has been able to deploy it across our own network infrastructure that we maintain and control and can be deployed anywhere. Our engineers and technicians have many years of experience with the system and are able to react expertly to challenges and opportunities with customer’s needs. With the evolving, full feature set of our platform, there are very few VoIP challenges we can’t overcome... other than the quality of the connection.”**

## Hosted voice – part of business migration to the cloud

Hosted voice platforms allow Unified Communications tools such as video chat, group messaging, and conference calling more available by allowing staff to use multiple devices such as tablets, mobile phones, or laptop computers based on their location and needs. Hosted platforms also make it easier to add contact center features to support call treatments, tracking, and dispositions. VoIP also provides a more flexible cost structure, as licensing typically allows you to pay for what you need and change features without considerable hardware, software, or professional service costs.

Delivering customer requirements for high quality voice calls with Unified Communications-as-a-Service (UCaaS) requires reliable, affordable managed connectivity at each site. Sufficient bandwidth to support the maximum simultaneous call volume, while still supporting other business applications and Internet access is also required. Redundancy and failover is also required. Taking these factors into account while also considering that UCaaS and VoIP live in an environment where many customer applications are hosted in multiple cloud while managing Service Provider data center costs places increased emphasis on deploying a flexible, scalable and secure managed network platform.



## **The VoIP + Turnium solution**

### **Why should you combine SD-WAN and VoIP?**

Turnium enables a UCaaS or VoIP provider to deliver bandwidth, reliability and redundancy anywhere, using any available circuits. Take existing customer-provided circuits and/or provide your own. Aggregate or bond multiple broadband, wireless or fiber connections to deliver more bandwidth in a single managed virtual tunnel with built-in failover and redundancy.

Turnium allows you to deliver the bi-directional Quality of Service (QoS) that voice and video calls required. Elastic QoS allows you to prioritize multiple categories of traffic flexibly, reserving bandwidth only when priority packets are present.

Turnium also frees up data center bandwidth and manages costs. Using Turnium's "Tunnel Bypass" feature, critical traffic can be sent to the data center while general web browsing or other traffic can be exited to the Internet using local gateways. Because Turnium allows you to build and manage a virtual network over top of circuits provided by underlying carriers, you can manage the traffic in that virtual network while still using the carriers' local gateways. Tunnel Bypass helps you keep traffic you want in your data center and manage your costs.

Deploying Turnium helps you ensure that customers experience up-time, all the time. It allows you to apply a single IP address to each location which allows connections to fail to each other without dropping voice calls in progress or re-initializing sessions.

Licensing and hosting Turnium with your VoIP or UCaaS offers enables you to deliver a national or international solution that you manage. By giving you the ability to logically manage multiple circuits from multiple providers, you can deliver hosted voice or UCaaS anywhere, to any site, and have visibility, while being able to understand and manage the underlying network performance and characteristics.



## Where Turnium fits in

Turnium has been powering Service Provider VoIP, UCaaS and other Managed Services since 2012. Service Providers across the globe license, host, run and manage Turnium's software to deliver their own branded SD-WAN service and deliver on their customer needs for reliable, high performance hosted, managed applications.

Turnium is more than software; it's a business platform that enables hosted voice and UCaaS providers to sell and deliver better quality services while building strong recurring revenue streams and margins. Our white label, white box business platform allows you to own and brand the customer experience end-to-end.

With Turnium, you retain visibility of your customers, their networks, their performance and customer experience. We also enable you to extend the Turnium platform into your business and operational systems through our fully feature API. Turnium enables Service Providers to simplify the management of complex networks and mitigate downtime while increasing performance, security and return on investment.

## About Turnium

Turnium Technology Group, Inc. delivers its software-defined wide area networking (SD-WAN) solution as a white label, containerized, disaggregated software platform that channel partners host, manage, brand, and price or as a managed cloud-native service provided by Turnium. Turnium offers a channel partner program designed for Telecommunications Service Providers, Internet and Managed Service Providers, System Integrators, and Value-Added Resellers.

## About SD-WAN

SD-WAN is revolutionizing the networking and telecommunications industry by abstracting secure, high-speed networking and network control from underlying physical circuits. SD-WAN frees enterprises, small-medium businesses, cloud, and managed services providers from the business and cost constraints imposed by traditional telecommunications companies.

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