



# Professional Services

A SERVICE OF  INTERNET

FiberCo® supports the Internet2 community's goals of developing and deploying advanced network applications and technologies, and complements existing Internet2 and National LambdaRail network infrastructure, by providing a means for regional fiber optical networking initiatives to acquire, hold, and distribute fiber optic network assets.

## Expanding FiberCo Service Offerings

FiberCo's extensible allocation currently includes over 10,000 route miles of dark fiber acquired from Internet2 corporate member Level 3 Communications, Inc. Managing optical networks cost effectively and efficiently takes many varied and costly resources and expertise. To address this need, FiberCo is expanding its longstanding relationship with Level 3 Communications beyond dark fiber to offer a complete suite of customized professional services (formerly part of WilTel Professional Services). FiberCo now offers a complete suite of professional services to assist universities and regional networks with planning, installing, managing, and operating their networking infrastructure.

## FiberCo Offers a Comprehensive Suite of Professional Services

FiberCo Professional Services draw upon Level 3's highly-experienced team of networking professionals, who have installed and managed optical networks for years. FiberCo will provide project management and oversight (audit and quality assurance) on all professional services to ensure needs are met. The list below provides a sampling of the services now available to the research and education networking community, including members of Internet2 and National LambdaRail. FiberCo Professional Services allow you to:

- Supplement limited internal network operations and management resources; fill gaps in traffic analysis, optimize network performance, complete software and hardware upgrades, and perform maintenance.
- Manage multiple voice and data networks that have resulted from growth by acquisition; improve service offerings, reduce costs, and increase interoperability.

- Upgrade an existing legacy network (Frame Relay, ATM or Private Line) to IP or Ethernet.
- Obtain assistance with deployment of fiber-based networks including networking architectural and route design, hardware (optronics) requirements and testing and recommendations, transmission engineering, fiber characterizations, testing, and acceptance.
- Manage build-out logistics, conduct detailed site engineering and installation prep, perform site and route staging and test and turn-up services, route commissioning and as-built documentation.
- Install, implement, document, track, and inventory fiber assets and networking requirements.
- Implement a network control center, data center, central office, or fiber routes (or receive professional consultation during select phases of these projects).
- Provide the resources needed to manage networking operations 24x7.
- Deploy equipment maintenance personnel to regions that cannot be readily staffed.
- Maintain fiber in locations that cannot be readily serviced and respond to One Call requests.
- Outsource all or part of a custom network project.

## Aggressive FiberCo Pricing

Through its agreement with Level 3, FiberCo has negotiated pricing for these professional services at rates lower than standard educational pricing and significantly under current market pricing. Pricing is tailored to fit individual customer needs; you can pick and choose from a la carte services and then price the services as a bundle/package or individually itemized.

## How to Request FiberCo Professional Services

To submit a request for FiberCo Professional Services, or to ask for additional information, please send email to [fiberco@internet2.edu](mailto:fiberco@internet2.edu).

**fiberco.internet2.edu**