



Fiber Network & ISP Audit

How major MSO completed ISP audit on-time and on-budget

Project Overview

Apex provided fiber network and inside plant (ISP) inventory for a major MSO in the state of Georgia. The project included a complete inside plant facility (Headend, Hub, OTN) audit of all optical equipment, optical connections, and optical terminations.

Performed at 50 different headend, hub, and OTN locations across the state of Georgia, the process took nine months to complete. Apex visited the respective sites and utilized client-provided templates to capture a significant level of inside plant equipment and fiber routing detail. The audit data was then scheduled to be loaded into the client's inside plant records management system.

Client-provided templates encompassed:

- Room Dimension and Physical Layout (each floor)
- Wall-Mount Fiber Entrance Cabinet (FEC)
- Inside Plant Fiber Optic Splice Guide (within FEC cabinet)
- Fiber Entrance Module (in rack)
- Frame Detail
- Transmitter/Receiver Sheet (in rack)
- Multi Use Chassis
- Multi Use Port Assignment Sheet
- Transmitter/Receiver Port Assignment Sheet
- Fiber Splitter Module Sheet
- 72/96 Fiber Connector Panel
- Patch Panel Port Assignment Sheet

Methodology

Apex utilized highly-trained, experienced internal and contracted staff to perform the audit. All staff had successfully performed both ISP and OSP field asset audits for previous clients.

Apex has worked with leading telecommunication, utility, and cable companies for over 25 years. With over 150 experienced drafters and design engineers skilled in geospatial products, we were fully prepared to meet the client's drafting schedules and required quality standards. Apex drafters have completed many thousands of miles of fiber cable and inside plant record conversions. Customers benefiting from our value include Charter Communications, Rogers Communications, Shaw Communications, Comcast, and other MSOs.

Apex's ability to manage the high-volume work and deliver the project on time is a direct result of our propriety technology.

- **ProTrak** is our "best practice" cloud-based project management tool. Every interaction between the client and Apex is executed and tracked in this platform.
- **ApexIMS** is an issue management system that logs and tracks all technical queries, escalates urgent requests, and ensures all issues are addressed in a timely and productive manner.

Benefit

The ISP and fiber network audit was completed successfully within the nine month timeframe. Apex's experienced staff and unique technology provided tight control over the project deliverables leading to timely execution and improved ROI. Customers hire and rehire Apex for their GIS projects because of our commitment to quality and unsurpassed ability to deliver on the most complex requirements.

About Apex Advanced Technology

AAT helps communications, utility, and energy companies solve their most complex business challenges. Our mission is to work with clients to create innovative technology solutions and achieve sustainable results. With extensive experience spanning more than 25 years, some of the largest private and public companies in the world partner with AAT to realise huge efficiencies in productivity.

Learn More

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