

OSS Network Documentation

ARRIS Global Services Case Study

KEY HIGHLIGHTS:

- Requirements
 - Site Survey / Audit
 - Network Documentation
 - Managed Services
- ARRIS Turnkey Services
 - Program Management
 - Integration Services
 - Commercial Services
 - Wi-Fi Services
- Benefits
 - Control Budget
 - Manage Risk
 - Accelerate



SERVICE OVERVIEW:

Project Description

Project required ARRIS to field survey fiber routes, audit enclosure fiber-to-fiber splice matrix, central office termination panel, OSP fiber port assignments and document all captured field data into Bentley Communications product suite.

Project Overview

Fiber route verification was completed by field technicians using source data provided by the client. Source data was delivered in electronic format and printed out for use in the field. All changes identified in the field were annotated on the field maps using varying colored pens depending on the change required.

Enclosure audits took place during maintenance windows (late evening/early morning hours) by de-lashing the enclosures, documenting splice matrix within a controlled fiber van and then re-lashing the enclosure. Enclosure documentation were recorded within Excel spreadsheets. The final portion of the data collection included mapping the central office patch panel to the outbound fiber sheath and the inbound pigtail optical transport or receiver assignment. This data was captured with an Excel spreadsheet matrix.

All captured data was manually drafted and documented with the Bentley Communications Fiber and Inside Plant Modules operating with a oracle 9g database engine. Fiber routes were positioned using NAD 83 State Plane Land base for the region. Each fiber-to-fiber splice was documented by a unique sheath name, sheath fiber count, standard optical color coding and splice type (fusion or mechanical). Mux equipment and field splitters were documented when applicable within the splice enclosure including wavelength and/or splitter ratio.

Project scale was approximately 550 miles of fiber backbone miles, 29 central offices and 463 splice enclosure audits.

ARRIS Global Services Values

Accelerate time to market:

Stay competitive with rapid deployment of new services

Reduce costs:

Contain costs on deployment, integration, and support

Maximize revenue and profits:

Optimize operations, ensure service quality, increase customer loyalty, grow revenue and profit margins

Why ARRIS ?

Multi-technology experience that is unique in the industry:

ARRIS has designed, delivered, and optimized end-to-end network solutions for service providers.

Flexible business model and approach:

ARRIS can build a customized operations solution for virtually any network operations requirement.

World-class support:

ARRIS provides support from committed and highly trained, experienced professionals, complete with state-of-the-art local support centers, test labs, and repair depots.

Voice, Data, and Video Technology leadership:

ARRIS has a wealth of experience and expertise in introducing and operating new technology network systems.