Integration Lab Testing Services



Supporting flexible and efficient network and software integration.

Lucent experts perform critical field environment testing of your network elements, management systems and support systems that mirror the architecture to be deployed helping minimize the risk and cost associated with new equipment deployment and new service introductions.

Overview

Integration Lab Testing Services provide skilled technical experts and state-of-the-art lab facilities to help you properly test your network and equipment, prior to deployment. With more than 50,000 square feet of the latest test equipment and software, our labs enable you to test your products in a multivendor, multitechnology environment that has a proven track record.

With the support of more than 100 test and network architect engineers experienced in cable, optical, packet, access and Voice over Packet (VoIP) cross-product testing, we provide pre-deployment, end-to-end network testing of network elements, associated element and network management systems software and many other customer services in our lab facilities. Our engineers develop detailed test plans according to your specific network requirements, construct the test lab, perform the testing and deliver test plans, test results and implementation guidelines for field deployment. Our Integration Lab Testing Services provide the resources and expertise required to transform your installed network elements, operations and business support systems and applications software into a high quality, optimized, fully tested and ready for deployment network.

Benefits

- Minimize risk associated with implementing new technologies with live field environment testing, prior to deployment
- Shorten deployment intervals with high quality support from our team of test and network architect engineers experienced in cable, optical, packet, access and VoIP cross-product testing
- Reduce cost associated with in house staffing, training and retaining skilled engineers and technicians to perform network testing
- Help ensure the appropriate technology and best vendors are selected through Proof of Concept testing
- Minimize your capital investments by avoiding the purchase of integration tools, test equipment, test software and the construction of lab facilities
- Verify your network solutions through pre-deployment Proof of Concept and end-to-end testing

Features

- Wide variety of solutions spanning DWDM and SONET/SDH Optical networks, Circuit Switching and VoIP and Frame Relay/ATM and IP Packet networks
- Labs feature more than 50,000 square feet and include a significant base of multivendor and multitechnology network elements, test equipment, services and Network Management Systems
- Connection to other Lucent and Customer labs
- Interoperability testing with your “Facility of Choice”
- Technical service definition and detailed architecture development (interface, protocol, scaling, performance)
- Access to experienced and knowledgeable network and Operating System engineers

Lucent Technologies
Bell Labs Innovations

Applications

Key applications include:

- IP Centrex services
- Wireless networks
- IP VPN services
- Multiservices ATM Edge
- Multiservices over DSL – Voice/Data/Video
- Ethernet services over SONET/SDH
- Managed Wavelength Services – SAN/Ethernet

Deliverables

- Develop detailed test plans to verify network conformance with requirements
- Develop and construct test lab
- Perform Testing

– Proof of Concept Testing:

Early validation of technical feasibility
Reality check
Demonstrations to Services Provider's customers

– Network Verification Testing:

Product Evaluation (NE, EMS, NMS)
Interoperability Testing
Network Operations Scenario Testing (OSS)
Performance and Scale Testing
End-to-end Network Testing
Methods and Procedure Development
Migration Scenarios
Integration into specific customer configuration
Testing of Customer Services (Applications Call Flows)

- Develop a Detailed Test Plan(s)
- Deliver Test Results
- Develop Implementation Guidelines for field deployment including workarounds, as necessary

Lucent Worldwide Services Advantage

Lucent Worldwide Services has more than 12,000 experienced and highly skilled technical professionals dedicated to developing, deploying, operating and maintaining global networks. Our proven track record of successful networks is powered by Bell Labs innovations and our end-to-end, comprehensive portfolio of professional, deployment, maintenance and managed services. Our unsurpassed suite of solutions can help reduce operating expense, leverage capital expense and grow revenue - helping you make your network more profitable throughout its lifecycle.

To learn more about our comprehensive portfolio of Network Integration Services, please contact your Lucent Technologies Sales Representative or visit our web site at www.lucent.com.

This document is for planning purposes only, and is not intended to modify or supplement any Lucent Technologies specifications or warranties relating to these products or services. The publication of information in this document does not imply freedom from patent or other protective rights of Lucent Technologies or others.

Copyright © 2003
Lucent Technologies Inc.

All rights reserved

LWS v.1.0503

Lucent Technologies
Bell Labs Innovations

