SPIRENT PROFESSIONAL SERVICES

VoIP ASSESSMENT SERVICE

ACCELERATING VOIP ROLLOUTS

The result is reduced time to cost savings and a quality deployment:

- Achieve reliable voice quality on your network
- Shorten costly and time-consuming pilots and internal trials
- Mitigate roadblocks such as incompatible infrastructure and network bottlenecks
- Gain a smooth deployment process from first office application to each subsequent site

ACCELERATE VOIP ROLLOUTS WITH THE RIGHT RESOURCES AND EXPERTISE

Get The Real Story On VoIP Readiness

If you are rolling out VoIP in a converged network environment, Spirent Professional Services can help you determine whether your network is ready. A VoIP Assessment will provide straightforward answers to these questions:

- Does my network infrastructure support VoIP?
- How well will my VoIP coexist with my existing voice network?
- Will it provide an acceptable voice quality? If not, why?
- What should I do to prepare?

Spirent Professional Services has specialized knowledge, expertise and resources to help ensure the success of your VoIP development. We employ field-proven methodologies along with our award-winning Abacus test systems to assess your network.

VoIP ASSESSMENT SERVICE

VoIP Assessment Service provides expertise and resources to speed up rollouts in a converged network environment.

IN-DEPTH ANALYSIS

Your assessment report will provide official information about your network to enable an informed decision on a VoIP rollout:

- Functionality assessment of network infrastructure
- Quality of Service metrics in a mixed traffic environment
- Voice quality analysis for IP, PSTN and analog network segments
- Detailed connectivity analysis by location
- Knowledge transfer of converged network characteristics

WHEN WILL I NEED THIS ASSESSMENT?

- During VoIP migration planning
- To support evaluation of VoIP sevices and equipment
- Deployment and verification of VoIP service
- Bringing up remote campuses

INTENDED CUSTOMERS

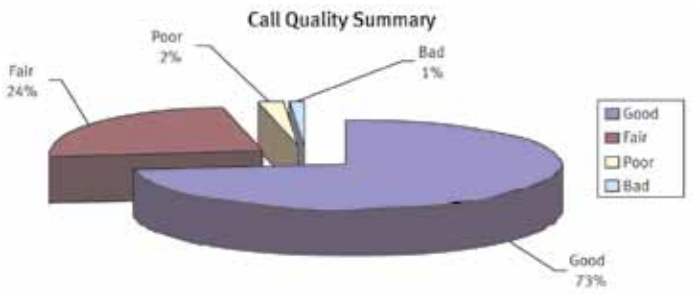
IT Managers, Network Engineers, Technical Managers, Field Integration Managers and others who are responsible for selecting, designing and deploying VoIP solutions.

DURATION

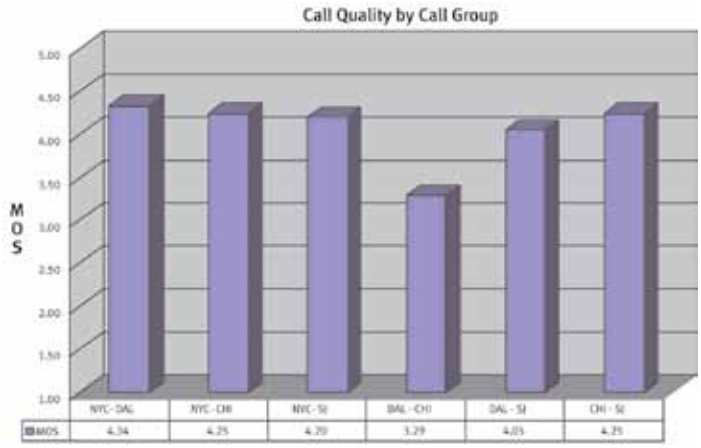
Standard offering provides five business days of measurements. Length of engagement may increase depending on requirements.

REPORT HIGHLIGHTS

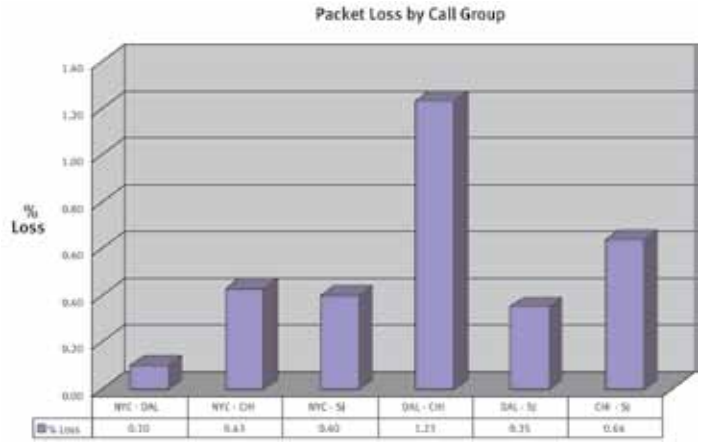
The VoIP Assessment Service provides actionable recommendations to speed up rollouts in a converged network environment.



The Call Quality Summary included in the executive summary provides valuable insight into how well your network can support VoIP. By categorizing and displaying your network's measured calls as Good, Fair, Poor, or Bad, you can utilize this chart to determine if your existing data infrastructure can support business quality VoIP voice calls.



For a more in-depth look at your network's ability to support VoIP, the Call Quality by the Call Group chart shows the average call quality measured between each pair of locations included in the assessment.



Packet loss and other IP impairments put voice quality at risk. The chart entitled Packet Loss by Call Group shows packet loss between each pair of locations included in the assessment

Every network is different. Spirent Professional Services customizes your VoIP Assessment experience to fit your unique testing needs. Each assessment is handled through the Professional Services engagement process to ensure that your VoIP assessment requirments and goals are thoroughly satisfied.

SPIRENT

SERVICE DELIVERY PLAN

Customized Network Analysis

- Voice quality measurements between locations: MOS, PSQM, PSQM+, PESQ, PESQ-LQ, R-factor, J-MOS
- Call measurements: call completion rate, call setup time
- Transport layer statistics: packet loss, out of order packets, delay, jitter, one-way delay, round-trip delay, echo
- Supported codes: G.723, G.726, G.729AB, G. 729B, G.11u, G.711A

Report

- Test scenarios
- Results
- Analysis

Knowledge Transfer

Optional Follow-Up

- In-depth testing of specific devices on problems, such as jitter or latency (available as a separate engagement)

ABOUT SPIRENT GLOBAL SERVICES

Spirent Global Services brings you test expertise and technology knowledge:

- Our Professional Services supplement internal capabilities with test methodology expertise to mitigate risk - and Automation Solutions to maximize productivity - so that you can focus on your core business
- Our Support Services provide seasoned technical support and convenient access to software updates.
- Our Education Services deliver up-to-date systems and technology knowledge, increasing internal expertise and productivity

SPIRENT®

OUR CUSTOMERS

Spirent has been a pioneer since the advent of network testing and has provided services to customers across a broad range of global industries. These varied business sectors include telecommunications and wireless service providers, network equipment manufacturers, petroleum, education, the media, financial institutions and stock exchanges, technology enterprises and publishing giants. Spirent also services the US government which includes military and space agency projects.

SPIRENT EXPERTISE

Spirent provides services expertise for all major communications vendors. Our test methodology and automation experts include IETF engineers and RFC authors who have developed many of the industry's acclaimed benchmarks. They help define standards and performance tests for dozens of industry forums and standards bodies.

PROFESSIONAL SERVICES SOLUTIONS

Risk Mitigation

- Web Performance
- Data Center Networking (DCN)
- WAN Optimization
- Security Assessment
- VoIP Assessment
- IPTV Performance
- 3G Wireless Performance

Maximizing Productivity

- Regression Testing:
  - Automated DSL
  - Cable
  - PON
  - IPTV
  - MPLS VPN
- UMA Test Automation
- NoCode Lab and Test Automation Solutions

SERVICE DELIVERY PROCESS

The primary elements of Spirent's highly-acclaimed world class service delivery process are:

- **Discover:** Gather requirements; perform Gap Analysis
- **Define:** Create Statement of Work; present roadmap and resources, illustrate ROI
- **Develop:** Develop test cases; write scripts; develop code
- **Deliver:** Deploy test engineers; manage project; measure and report
- **Debrief:** Refine service optimization; assure customer needs, expectations are met

CONTACT US

Don't wait until your project has already begun, or worse, when you are behind schedule. Contact Spirent now and enlist our Professional Services team to streamline your project. Let our experts help you improve operational productivity and accelerate your time-to-market. Call your Spirent sales representative or visit us on the web at www.spirent.com/GS.

"For an efficent network rollout, service providers and enterprises need to validate their VoIP deployments. The way to ensure this is to conduct end-to-end testing and understand impact on the network when PSTN protocols are converted to VoIP."

Elisabeth Rainge, IDC

AMERICAS 1-800-SPIRENT • +1-818-676-2683 • sales@spirent.com

EUROPE AND THE MIDDLE EAST +44 (0) 1293 767979 • emeainfo@spirent.com

ASIA AND THE PACIFIC +86-10-8518-2539 • salesasia@spirent.com

© 2010 Spirent Communications, Inc. All of the company names and/or brand names and/or product names referred to in this document, in particular the name "Spirent" and its logo device, are either registered trademarks or trademarks pending registration in accordance with relevant national laws. All rights reserved. Specifications subject to change without notice. Rev. B 02/10

SPIRENT