

# NetIQ® Vivinet™ Assessor

## Delivers the leading software solution for assessing a data network's readiness for VoIP

### Overview

NetIQ Vivinet Assessor helps you determine quickly and easily how well Voice over IP (VoIP) will work on a network prior to deployment. Before you invest in costly training and pilot deployments, Vivinet Assessor predicts the overall call quality you can expect from the network and generates customizable reports detailing the network's VoIP readiness.

### Solutions for Today

Despite the potential to save money and enable new applications, many IT departments are reluctant to implement VoIP because of concerns about voice call quality and the network's ability to handle the VoIP traffic load.

Vivinet Assessor enables you to make informed decisions about your VoIP deployment by emulating VoIP traffic on the network, collecting key call quality metrics and analyzing the results. With Vivinet Assessor you can easily determine a network's VoIP readiness prior to the purchase and deployment of VoIP equipment.

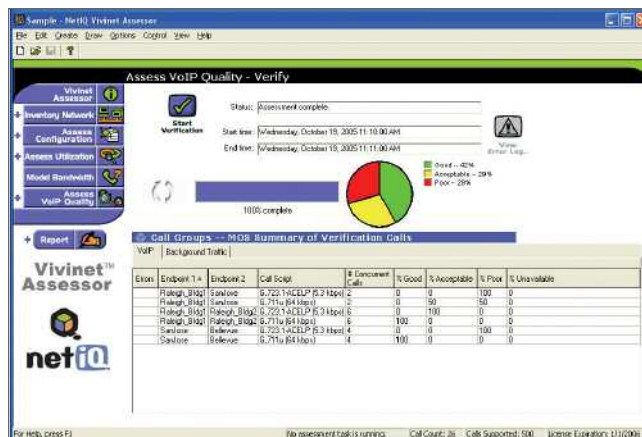
### Key Benefits

**Determines if your network can handle VoIP** – Evaluates and reports on the network's ability to support VoIP's unique network requirements. Vivinet Assessor enables you to make knowledgeable choices about how to proceed with your VoIP investment and deployment.

**Predicts call quality** – Collects network metrics to provide an accurate prediction of the overall call quality that can be expected once VoIP is deployed. The product can also create background traffic to simulate the impact of application traffic on VoIP call quality.

**Performs configuration assessment** – Compares information about device configuration gathered during a network inventory to a set of rules you supply—based on vendor recommendations—and reports any disparities.

**Builds a network inventory** – Saves time by automatically taking an inventory of routers, switches and WAN links to be evaluated by Vivinet Assessor.



Vivinet Assessor enables you to verify call quality on your current network to ensure a successful VoIP deployment.

**Highlights limitations of current network devices** – Provides insight into potential needs for additional or upgraded devices before VoIP deployment by monitoring utilization statistics of current network devices and links.

**Improves planning with predictive modeling** – Increases deployment success through “what if” analysis. Upfront modeling narrows down the scenarios that you will want to emulate on a live network.

**Provides polished, and customizable, assessment reports** – Analyzes results and creates a polished report at the end of the assessment. The report provides a straightforward executive summary that assesses the network's readiness for VoIP, along with detailed results by location for further analysis.

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## Technical Summary

**Delivers advanced call quality measurements** – Predicts call quality by calculating a Mean Opinion Score (MOS) based on the industry standard E-model specified in the ITU recommendation G.107. Vivinet Assessor also improves on that base standard by taking into account additional network factors that can impact call quality, such as jitter and consecutive lost datagrams. You can quickly define a schedule in which VoIP calls are generated and evaluated periodically.

**Offers high-precision, one-way delay measurements** – Uses a patent-pending method, based on freely distributed software agents, for calculating one-way network delay so you get the precision you need without the hassle and expense of deploying hardware probes. The one-way network delay is then combined with the delay introduced by packetization and defined jitter buffers to create a complete end-to-end delay measurement for the call.

**Utilizes flexible graphing and charting** – Provides an easy view into the data collected by Vivinet Assessor with the product's Analysis Console, allowing you to identify trends and anomalies in performance metrics that could otherwise be difficult to detect. The data can also be easily exported and included in Vivinet Assessor's standard reports.

**Emulates complex VoIP traffic** – Simulates VoIP traffic, including today's leading codecs and advanced features, such as silence suppression and jitter buffers. You can vary the start times of simulated calls to realistically emulate call traffic patterns. Vivinet Assessor can support up to 2,500 simultaneous (or concurrent) calls per assessment.

**Supports advanced QoS parameters for call quality assessments** – Enables definition and selection of advanced QoS parameters, including support for DiffServ and 802.1p.

**Integrates with other NetIQ products for advanced troubleshooting and management** – Allows you to use Performance Endpoint agents for ongoing VoIP performance management with the NetIQ AppManager® Suite and troubleshooting with NetIQ Vivinet™ Diagnostics.

## System Requirements

### Software Requirements:

- Windows 2000 or Windows XP
- Microsoft Word (2000 or higher) and Excel (2000 or higher) required for generation of reports
- Microsoft Internet Explorer 5.0 or higher

Vivinet Assessor also requires Performance Endpoints for one or more of the following operating systems:

- Windows (NT 4, 2000, Me or XP), Linux (x86) or Sun Solaris (x86, SPARC)

### Hardware Requirements:

- Pentium 600 or equivalent with 256MB of memory
- 150MB of available disk space (at least 60MB must be on the system drive)

For endpoint requirements, refer to [www.netiq.com/support/pe/default.asp](http://www.netiq.com/support/pe/default.asp)



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