Fax Transmission Test Agent

Active Service Assurance

Test T.30/T.32 Compliance
Guarantee Interoperability Over Any Network!
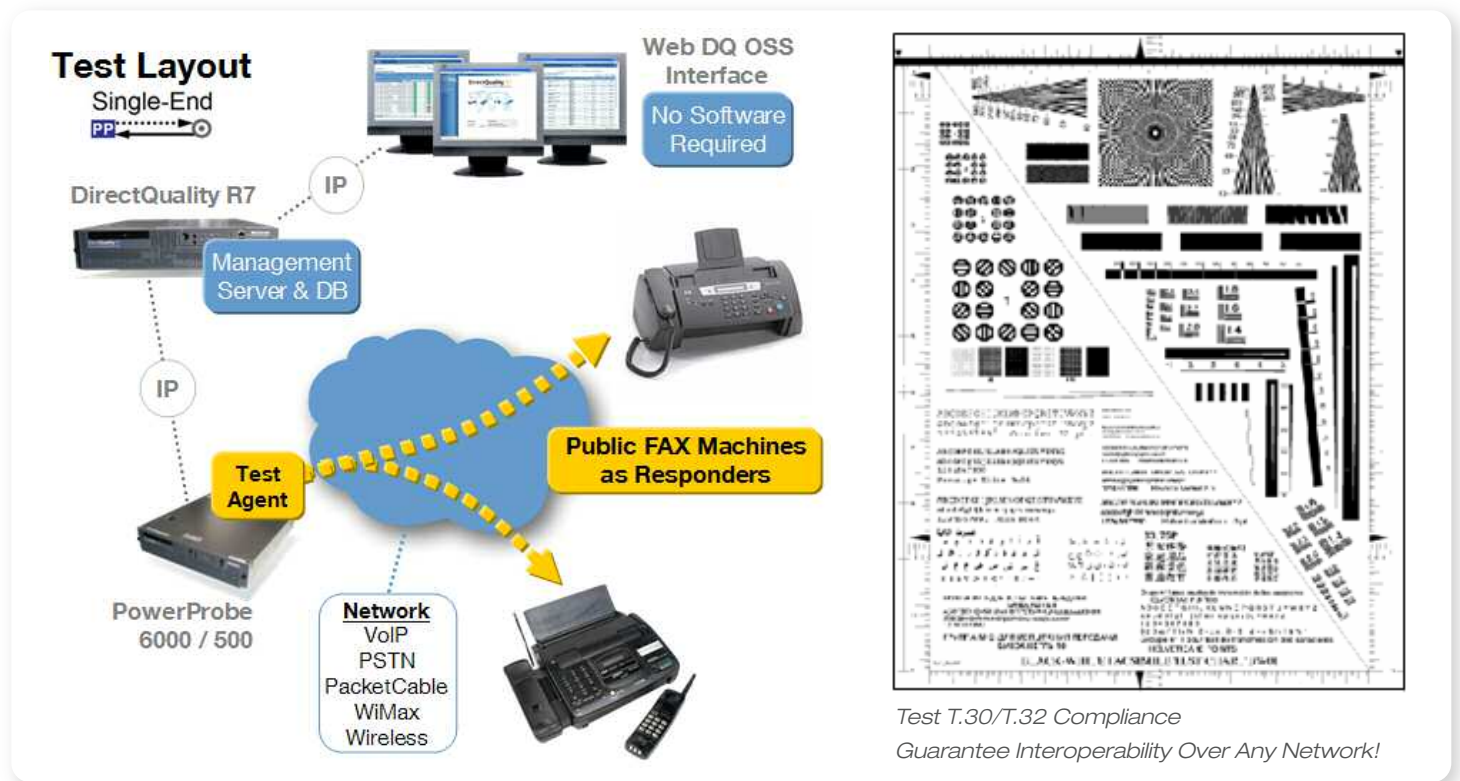
Overview

The Fax Transmission Test Agent allows you to evaluate fax service reliability, and the probability of network and transmission problems according to world standards (ITU-T E.436, E.450, E.451, T.32, T.22, T.24). Test fax service over TDM, VoIP, VoCable and wireless networks.

Fax Service Quality

Proactively test, isolate and resolve fax transmission errors and network-related problems quickly. Monitor Call Completion Ratio, Pages Transmitted Ratio, Calls at Max Speed Ratio and Pages Error Free Ratio.

> **Transmission Test Options:**
>
> ▶ ITU 3 page test fax
> ▶ ITU 1 page test fax
> ▶ 1 page custom fax

Key Features / Benefits

▶ Identify IP, PSTN and wireless network congestion using fax transmission rate statistics

▶ Measure standard call connectivity metrics such as call completion ratio, recorded with call disposition codes for post dial delay and ASR, service troubleshooting

▶ Validate fax connectivity performance over VoIP, PSTN, wirelss and hybrid networks

▶ Quick-disconnect before transmission minimizes long-distance billing charges

▶ Test Transmission quality using actual fax pages
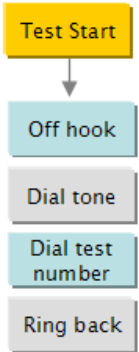
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Tektronix' Communications Business Division -

Enabling Next-Generation Newtwork Innovation

Measurements

Test Call Progress

Test Start
↓
Off hook
↓
Dial tone
↓
Dial test number
↓
Ring back
⋮
Answer
↓
Fax Handshake → **Transmit Pages**
↓   ↓
Hang–up   **Hang-up**

Fax Connection test agent   Fax Transmission test agent

Call Identification

▶ City (caller)
▶ Destination
▶ Country
▶ City
▶ Number Dialed
▶ Carrier

Page Transmission

▶ Post Page Response
▶ Page Retransmission
▶ Page Transmission Speed
▶ Average Transmission Speed
▶ Transaction Time

Connectivity

▶ Off Hook Time
▶ Call Disposition Codes
▶ Call Duration
▶ Hung-up code

Negotiation Parameters

▶ Negotiated Bit Rate
▶ Negotiated Binary Transfer File
▶ Negotiated Error Correction
▶ Negotiated Page Length
▶ Negotiated Page Width
▶ Negotiated Scan Time Per Line
▶ Negotiated Vertical Resolution

Far-end Capabilities

▶ Bit Rate
▶ Binary Transfer File
▶ Error Correction
▶ Page Length
▶ Page Width
▶ Scan Time Per Line
▶ Vertical Resolution
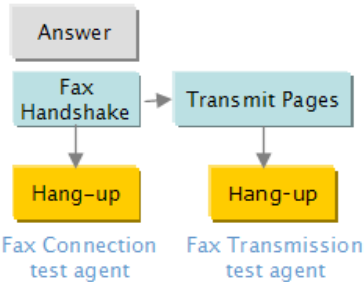
For Further Information

Tektronix maintains a comprehensive, constantly expanding collection of application notes, technical briefs and other resources to help engineers working on the cutting edge of technology.

Please visit www.tektronix.com

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Locate your nearest Tektronix representative www.tektronix.com/contactus

WEB Based Reports

The DirectQuality Decision Support System provides comprehensive reports on all your fax transmission tests with extensive filtering and multiple report views, results drill-down for troubleshooting, and service level class analysis for integration into your existing fault management system.

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