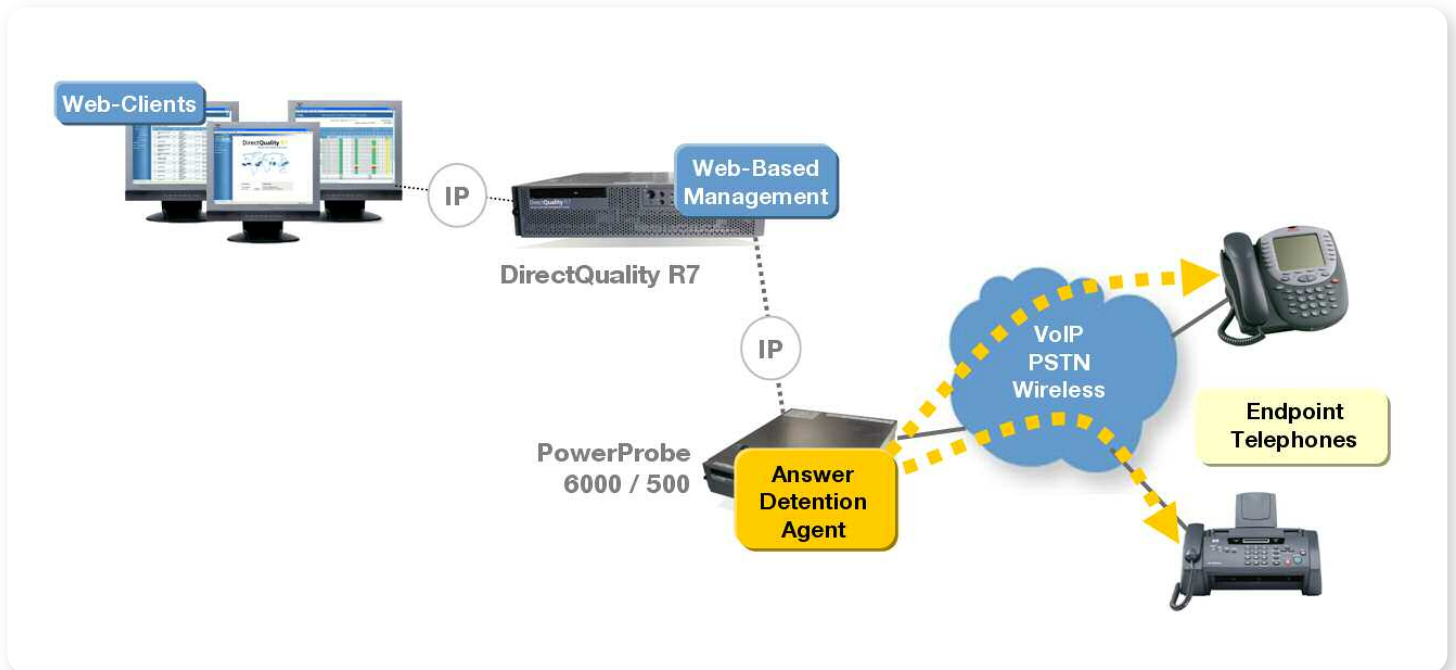# Answer Detection Agent

Active Service Assurance

Test Layout

Overview

Tektronix' Answer Detection Test Agent provides high performance connectivity testing by measuring call connection setup using ISDN PRI signaling.

The Answer Detection test agent uses Minacom's VQM24/30 measurement module, which provides a T1/E1 interface and PRI call progress analysis (as per ITU-T Q.931).

The test consists of measuring call connection setup delays, using the PRI messages exchanged over the network for call control, then hanging up when the call is answered by end-users and termination devices.

Using this method you can ensure minimal billing fees, perform hundreds of test calls within minutes, and troubleshoot service problems quickly.

Key Features/Benefits:

T1 ISDN PRI Options
Signaling
▶ 4ESS, 5ESS
▶ DMS250, DMS100
▶ National ISDN-2
▶ NTT INS1500

Line Coding
▶ SF (D3, D4)
▶ ESF

Framing
▶ AMI
▶ AMI with B7 stuffing
▶ B8ZS

E1 ISDN PRI Options
Signaling
▶ 1TR6
▶ DASS2
▶ DPNSS
▶ CTR4 (Euro-ISDN)
▶ QSIG
▶ TPH
▶ VN3

Line Coding
▶ HDB3

Tektronix®

Enabling Innovation
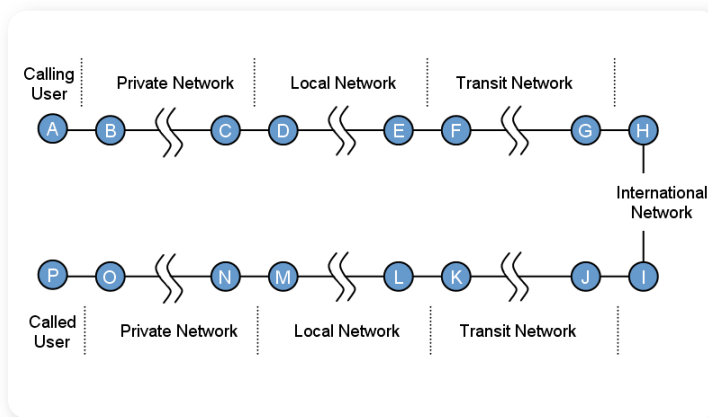
Measurements

Cause Code

The Cause Code generated after an ISDN Answer Detection test call indicates the result of the call connection based on the PRI messages exchanged over the network. When a test call does not complete execution, the Cause Code indicates why the call failed.

The Cause Location generated after an ISDN Answer Detection test call indicates where, in the routing of the call, the cause code was generated.

WEB Reports

Compares Network PRI Signalling with Subscriber Audio Perception

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

Contact Tektronix:

Please visit
www.tektronix.com/
communcations

Phone:
1-800-833-9200 option 1
+1-469-330-4000
Active Test Office:
(514) 380-5530

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

Tektronix®

Enabling Innovation