

---

# Token Ring Network Analysis

## Technical Data

**HP Education Services:**  
**Your Key to Higher**  
**Productivity**

---

### Course Overview

Learn the basic strategy for troubleshooting Token Ring LAN Network problems using the HP Internet Advisor. Users working with the Internet Advisor will gain the necessary background to quickly isolate faults through the use of intelligent LAN fault diagnosis techniques.

### Course Features

- Setting up the Internet Advisor
- Using Station Lists/Auto Discovery
- Using Filters
- Using Expert Advisor
- Using Statistics
- Using Vital Signs
- Using Commentators
- Using Traffic Generators
- Using Stimulus/Response Tests

### Specifications

#### Course Length

1 day

#### Audience

Private Network Managers for Local Area Networks; network installation and maintenance personnel who want to build their knowledge of network troubleshooting techniques.

#### Prerequisites

Networking experience is helpful.

#### Delivery Method

Classroom, Dedicated

#### Format

This course liberally intersperses hands-on experience using the HP J2523B Internet Advisor with lecture. This approach provides maximum exposure to the equipment and reinforces concepts necessary for successful use of the instrument in network troubleshooting.

### Classroom Training Benefits

#### Experienced HP Instructors

Learn from an experienced HP instructor who is an expert in using and applying instrument systems to meet your measurement needs.

#### Available at HP Classrooms or Your Site

Take advantage of HP's learning facilities, equipment, and interactive learning environment by attending class at any HP facility. Or, save travel expenses and time by organizing a dedicated delivery at your location.

#### Regularly Scheduled Classes

Plan training months in advance.

**Extensive Hands-on Practice**  
HP classroom training is characterized by extensive hands-on experience and interactive class discussion. HP classroom training pays off immediately because it is geared to real-world solutions.

#### Comprehensive Student Materials

Copies of course materials are provided for future reference on the job.

**Course Number:** J2523B+24C (Scheduled)  
J2523B+24Y (Dedicated)

---

## Token Ring Network Analysis J2523B+24C)

### Detailed Course Agenda

#### Lab 1

##### *Setting up the Internet Advisor for Token Ring*

- overview of how to set up the Internet Advisor

#### Lab 2

##### *Station Lists and Station Discovery*

- capture frames with MAC and user friendly names
- merge selected stations into a node list
- saving and loading station lists

#### Lab 3

##### *Using Capture Filters*

- familiarize students with using filters
- optimizing other measurements through the use of a custom filter

#### Lab 4

##### *The Expert Advisor*

- an overview to interpreting the results
- drill down capabilities
- actually troubleshoot a problem

#### Lab 5

##### *Using Statistics*

- evaluate summary statistics
- analysis of trend data
- interpret station statistics
- overview of protocol stats
- overview of connection stats

#### Lab 6

##### *Using Vital Signs*

- user configurations of thresholds
- examining the capture buffer using decodes

- evaluating ARPA/TCPIP/ and Novell frames
- optimizing vital sign measurements

#### Lab 7

##### *Using Commentators*

- observe Novell client server activities
- analyze station insertion into a ring
- resolve a beaconing ring problem

- evaluate normal, warning, and alert events

#### Lab 8

##### *The Traffic Generator*

- traffic generator functionality
- configuring the measurement
- creating custom applications

#### Lab 9

##### *Stimulus/Response Tests*

- using the lobe tests
- evaluating the request station ID tests
- running station adapter tests

### Ordering Information

To order Token Ring Network Analysis (J2523B+24C) in the U.S. call 1-800-HPCLASS (800-472-5277).

HP's Customer Registration Center can provide you with price, scheduling, and enrollment information, as well as provide information about a dedicated class delivery.

Outside the U.S., contact your nearest local HP sales office.

### Region Sales Headquarters:

#### United States:

Hewlett-Packard Company  
Test and Measurement Organization  
5301 Stevens Creek Blvd.  
Bldg. 51L-SC  
Santa Clara, CA 95052-8059  
(408) 246-4300

#### Canada:

Hewlett-Packard Ltd.  
5150 Spectrum Way  
Mississauga, Ontario L4W 5G1  
(905) 206-4725

#### European Headquarters:

Hewlett-Packard S.A.  
150, Route du Nant d'Avril  
1217 Meyrin 2 - Geneva, Switzerland  
(41) 22/780 8111

#### Japan:

Hewlett-Packard Japan Ltd.  
NAF Bldg.  
3-8-20 Takaido-higasi  
Suginami-ku  
Tokyo 168  
(03) 3335-8111

#### Latin America:

Latin America Region Headquarters  
Monte Pelvoux No. 111  
Lomas de Chapultepec  
11000 Mexico, D.F. Mexico  
(525) 202 0155

#### Australia/New Zealand:

Hewlett-Packard Australia Ltd.  
31-41 Joseph Street, Blackburn  
Victoria 3130, Melbourne, Australia  
(03) 895-2895

#### Far East:

Hewlett-Packard Asia Ltd.  
17-21/F Shell Tower, Times Square  
1 Matheson Street, Causeway Bay  
Hong Kong  
(852) 2506-9285

Technical information in this document is subject to change without notice.

All Rights Reserved. Reproduction, adaptation, or translation without prior written permission is prohibited, except as allowed under copyright laws.

Printed in USA 5/97

Publication Number 5965-6711E

Course Number: J2523B+24C (Scheduled)  
J2523B+24Y (Dedicated)