Agilent 3070 Training Review
(You Will Be Tested)
Current Offerings

• Fundamentals I
• Fundamentals II
• Advanced Digital
• Advanced Boundary Scan
• Production Support
• Hardware Maintenance
Fundamentals I

• Development and Debug Tools
  – Medalist Debug Interface
  – Auto-Debug Rules
• Details of 3070 Measurement Techniques
• Concentration on Unpowered Test
Fundamentals II

- Concentration on Powered Test
  - Digital and Mixed Library Development
  - Introduction to In-System Device Programming
  - Introduction to Boundary Scan (1149.1 & 1149.6)
  - Introduction to Silicon Nail
  - Introduction to Cover-Extend Test

- Debug Techniques

- Test Versioning and ECO Implementation

- Test Evaluation Tools
Advanced Digital

- Advanced Programming Techniques
  - Timing Sets
  - Digital Subroutines
  - Data Capture
- In-System Programming (parallel and serial)
- Use Digital Resources to Test Analog Devices
Boundary Scan

• In-Depth Analysis of Scan Test Methods
  – Single Device Test Methods and Tools
  – Chain Test Methods and Tools
  – Silicon Nail Tests

• Advanced Boundary Scan Topics
  – Scan-Path Linkers / Multi-Tap Devices
  – Mixed Tests
  – Differential Signals (1149.6)
  – Cover-Extend Technology
  – In-System Programming through JTAG Port
Production Support

- “Fundamentals Lite” – One Week Class
- No Details on Test Development
- Concentration on Test Maintenance
  - Testhead Diagnostics
  - 3070 Measurement Methods
  - IPG for ECOs
  - Debug Tools
Hardware Maintenance

- System Diagnostics
- System, Subsystem, and Card Level Operation
- System and Network Troubleshooting
- Relay Replacement
- Preventive Maintenance and Calibration
Custom and On-Site Training

- Standard Classes Delivered On-Site
- Custom “Mix-and-Match” Training
- Custom “Class/Consulting” Training
- Unique “Specialty” Training
## 2013 PCBA Training Course Calendar (US)

### Classroom Training  |  Where & When

Some courses are only scheduled at Agilent locations when there is sufficient demand, but most of our courses can be taught at your site. They may also be customized to meet your particular needs. Contact your local Agilent representative or call 1-800-825-4444 for more information on our dedicated or custom course offerings.

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http://www.home.agilent.com/agilent/eventDetail.jspx?cc=US&lc=eng&ckey=1335360&nid=-536900137.0.00&id=1335360
Training Class Suggestions

• Improvements That Could Be Made to Current Training?

• Classes You Would Attend if Offered?
  – Development Refresher and New Test Techniques
  – System Administration (Win XP and Win 7)
  – External Instrumentation