



Acuson Sequoia Training Outline

- I: Introduction: The Sequoia Family 512 vs. 256
- Software Revisions 2.x – 9.x
- II. Operation Theory: Sequoia Platform and Principles
- Coherent Imageformer
 - DIMAQ Integrated Workstation
 - Transducer Technology
 - Doppler Technology
- III. System Block Diagram: 2D Image Signal Path
- Color Doppler Signal Path
 - Spectral Doppler Image Signal Path
 - I/O Signal Path
- IV. Power Supply Theory and Block Diagrams:
- Power Supplies and Subsystems
 - Power Supply Test Points
 - Power Supply Troubleshooting Techniques
 - Troubleshooting lab
- V. Service User Interface (SUI): The Basics of “SUI”
- Backup & Restore (A MUST!)
 - Restoring User Specific/ V.
- VI. System Cabling Diagrams and Part Numbers:
- I/O Interface Diagrams
 - PCB Parts List
 - Transducer Parts List
- VII. Preventative Maintenance: Parameters You Can Calibrate
- The Dreaded Dirty Filters
- VIII. Networking: Networking Basics
- Programming the Sequoia Network
 - Troubleshooting network problems

Class outline subject to change