



## **Voluson E8 Technical Service Class Internal Service Support**

### **Course Summary**

The course is an overview of the Voluson E8 product illustrating the practical skills needed to install system software and peripherals, set up connectivity with the network devices, and troubleshoot the system problems. Participants will be involved in basic system operations, using diagnostic tests, and disassembling the system. The course will provide a detailed explanation of the individual hardware and software components and their integration and interconnectivity with other system components. Participants will learn hands-on skills in labs designed to reinforce principles reviewed in class.

### **Intended Audience**

Bio-meds who have service responsibility for the Voluson E8 systems and have completed the course prerequisites.

### **FSE Requirements**

Field Service Engineers are required to bring a service laptop, documentation DVD, service dongle and safety shoes to class.

### **Course Length**

- 5 days

### **Course Prerequisite**

- Essentials of Healthcare IT
- Ultrasound Basic Physics and Instrumentation

### **Course Location**

- Please check the schedule for location as this course is offered in multiple training locations including Waukesha, WI and Jupiter, FL.



## Course Objectives

Upon successful completion of the course, participants will be able to:

- Demonstrate the use of course material (lab activities) and service documentation for identifying components, setting up connectivity, and troubleshooting at FRU level through completion of hands-on activities in the class.
- Perform system operations by recognizing the features of the Voluson E8 system, use probes, and understand the power up and power down sequence from the material presented in the course.
- Operate the application modes by acquiring a basic scan, and performing measurements and calculations using the Voluson E8 system.
- Locate the different hardware components, identify the functions of the boards and interconnections among different boards, and perform disassembly and assembly procedures for Field Replaceable Units (FRUs) on the Voluson E8 system.
- Configure DICOM devices supported by the system, perform data transfer, and connect USB devices to the Voluson E8 system.
- Load software using the system DVD in two methods: Using “DVD FMI” and “LINUX menu”. Back up all key data items and recover without loss.
- Analyze and successfully troubleshoot software and hardware failures using available diagnostics, service documentation, and troubleshooting tools demonstrated during class.

## Course Equipment

- ❑ Voluson E8 systems
- ❑ Probes
  - SP 10-16-D – KTZ157047
  - RAB 2-5-D – KTZ157037
- ❑ Software system DVD
- ❑ Technical Supplement Interface tool
- ❑ Lab Guides
- ❑ ViewPoint workstation
- ❑ 4D View 2000
- ❑ Tiani Emulator
- ❑ ImageVault server
- ❑ LOGIQWorks workstation

## Related Courses

Voluson Family ILT

Voluson i ILT