

## Functional Requirements for Portable & General Purpose Ultrasound

### **System Requirements:**

1. Weight  $\leq$  20 lb
2. Display  $\geq$  8 in
3. Memory  $\geq$  4 GB
4. Harmonic imaging
5. Quantitative assessment of blood flow
6. Needle visualization
7. Scan Mode: 2-D
8. Doppler
  - 8.1. CFM
9. Digital Calipers
10. Outputs
  - 10.1. Digital
  - 10.2. TV
11. Transducers
12. Probes
13. Analysis packages

### **Optional Items**

1. Stand
2. Cine loop playback
3. Doppler
  - 3.1. CW
  - 3.2. PW
4. Cardiac Analysis

### **Support and other Documentation to Provide:**

1. Provide DICOM Conformance Statement
2. Provide completed Pre-procurement Assessment form (6550) and MDS<sup>2</sup> document
3. Provide information about your companies support structure during the warranty period (i.e. a listing of Field Service Engineer locations and availability, support 800 phone number(s), remote support, etc.)
4. Please provide version/platform long-range plan
5. Two complete sets of the operator and maintenance manuals
  - 5.1. One set of each must be hardcopy and the other set must be on a DVD/CD

### **Training**

1. On-site applications during GO LIVE – minimum 32 hour

2. Follow up equipment/applications training to be provided after technologists have hands-on experience with the system – minimum 16 hours
3. Biomed training (24 hours)

**Optional Training Items**

1. All prerequisite courses are including in the training costs.
2. One Biomed technician training (tuition, lodging, and travel).

**Trade In**

1. None