

**Functional Requirements for a Small Form Factor Cardiology ICE Ultrasound  
Minneapolis VA Healthcare System (Station 618)  
Requisition Number 618-B69002**

*This Cardiology ultrasound will be used for the following clinical applications: General purpose, Intracardiac Echocardiography (ICE), Echocardiograms, TEE procedures, and vascular.*

**Technical Requirements:**

1. Capable of processing multiple data streams simultaneously
2. All imaging modes available on a single transducer
  - a. 2D
  - b. M-Mode
  - c. Tissue Harmonic Imaging
3. Doppler Displays
  - a. Spectral
  - b. Velocity
  - c. Directional Power
  - d. Duplex
  - e. Triplex
4. Minimum monitor – minimum 20 inches
5. Split Screen
6. Image storage – minimum 3 days
7. One button image optimization
8. Programmable protocols
9. 3 active transducer ports
10. Operating system – Windows 7 or above
11. DICOM Connectivity
12. Beam Steering
13. TEE software option
14. ICE compatible with SoundStar eco ultrasound catheter Ref # 10439011
15. Interface to CARTO navigation system
16. Ease of maneuverability
  - a. Screen rotation
  - b. Unit moves up and down both monitor and the control panel
  - c. Rotation of desktop/control panel
  - d. Height no more than 66 inches
  - e. Width no more than 22 inches
  - f. Depth no more than 36 inches
  - g. Weight of unit no more than 225 pounds

**Transducers/ Probe Types**

1. Transthoracic
2. Transesophageal
3. Linear
4. Phased Array
5. Multi-frequency

*Each vendor is to respond with transducers that meet the criteria listed above. Please include all other transducers offered by your company in the optional section on the quotes.*

*The vendor shall provide training and written instructions, procedures, and documentation necessary to properly and safely disinfect the equipment and accessories between patient uses.*

Analysis Packages:

- a. Procedural
- b. Cardiac
- c. Vascular Access

*Each vendor is to respond with analysis packages that meet the criteria listed above. Please include all other analysis packages offered by your company in the optional section on the quotes.*

Support and other Documentation to Provide:

- a. Please provide the weight of the unit.
- b. Please provide the physical size (Height, Width, and Depth).
- c. Provide DICOM conformance statement.
- d. Provide completed pre-procurement assessment form (6550).
- e. Provide information about your companies support structure during the warranty period (i.e. a listing of field service engineer locations and availability, support phone number(s), remote support, etc.). Warranty period shall be a minimum of 1 year – part and labor. Contractor shall provide a hard copy of the warranty with the product.
- f. Please provide version/platform long-range plan.
- g. Provide 2 copies product service manuals (1 hard copy and 1 digital copy).

Training

1. On-site

- a. Clinical applications **during go-live** - minimum of 2 days (8 hours each day).
- b. Training should be for both technologists and physicians.

2. Follow-up

- a. Applications training to be provided after technologists have hands-on experience with the system - between **3-4 months** following go-live for a minimum of 2 days (8 hours each day).

3. Off-site

- a. Technologists – off-site training – for 1 technologist(s)
- b. Tuition and travel (including, but not limited to travel to and from airport, airfare or fuel, lodging, per diem, rental vehicle and incidentals) is preferred
- c. This training should be scheduled and completed after the system has been installed

Trade-in:

EE Number: 72983

Manufacturer: Acuson

Model: Cypress CV

SN: 83411

Acquisition Date: July 2008