

**Functional Requirements for Radiology Ultrasound  
For Marion VA Healthcare System (Station 657a5)**

**Obligation Number :**

*This radiology ultrasound will be used for the following clinical applications: General purpose, abdominal, small parts, guidance for interventional procedures, and vascular.*

**Technical Requirements:**

1. All imaging modes available on a single transducer
  - a. 2D
  - b. Harmonic Imaging
2. Doppler Displays
  - a. Frequency
  - b. Velocity
  - c. Power - Microvascular/directional
  - d. Duplex
  - e. Triplex
3. Panoramic mode – less stitching is preferred
4. Minimum monitor – minimum 20 inches
5. Split screen – minimum of 2
6. Image storage – minimum 3 days
7. Color Video Printer
8. One button image optimization
9. One button optimization of Doppler
10. Programmable protocols
11. 3 active transducer ports
12. Operating system – Windows 7
13. Ease of maneuverability
  - a. Screen rotation
  - b. Unit moves up and down both monitor and the control panel
  - c. Size of equipment
  - d. Weight of unit
  - e. Rotation of desktop/control panel
14. Ability to enter a standby mode or sleep mode
15. Battery life – minimum 4 hours

**Transducers/ Probe Types**

1. Linear array high frequency range
2. Linear array lower frequency range
3. Convex/curved for abdominal & interventional
4. Multi-frequency
5. Endo Cavity

*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.*

**Analysis Packages:**

1. Procedural

2. Abdominal
3. Pelvic
4. Small Parts
5. Urology
6. Vascular – measurement and analysis of vessels
7. OB

*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:

1. Please describe in detail the standby mode or sleep mode.
2. Provide DICOM conformance statement.
3. Provide completed pre-procurement assessment form (6550).
4. 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.
5. Provide 2 copies product service manuals (1 hard copy and 1 digital copy).
6. Provide references for the clinical applications trainer that will be assigned to VISN 15.

Training

1. On-site
  - a. Clinical applications **during go-live** - minimum of 2 days (8 hours each day) per machine
  - b. Training should be for both technologists and physicians
2. Same clinical applications trainer for each site, who must be cleared through VISN 15 workgroup
3. 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) for each site.
  - b. Applications training to be provided after technologists have hands-on experience with the system – between **6-9 months** after go-live for a minimum of 2 days (8 hours each day) for each site.
4. Biomedical technical training – tuition and travel shall be included
  - a. Off-site training – for **1** number of Biomedical personnel per system
  - b. Tuition shall be included
  - c. This training should be scheduled and completed after the system has been installed

Trade-in:

EE Number: 83116

Manufacturer: Siemens

Model: Antares

Serial #: 114371

Acquisition Date: Feb 9 2007

Probes: Probes: CH4-1 SN# 65189407

VF7-3 SN# A7512789

VFX9-4 SN# X94C065107

VF13-5 SN# F13C070989

