

**Functional Requirements for Vascular/Hybrid OR Small Form Factor Ultrasound  
for Minneapolis VA Healthcare System (Station 618)  
Obligation Number 618-B69060**

*This ultrasound will be used for the following clinical applications: Guidance for performance vascular procedures, Structural cardiac evaluation, Needle guidance, Arterial access and Completion diagnostic imaging after valve procedures*

Technical Requirements:

1. Minimum monitor size of 15 inches
2. Minimum of 3 active transducer ports
3. Scanning Modes
  - a. 2D
  - b. M-Mode
4. Color Power Doppler
5. Continuous and pulse wave Doppler
6. Automatic Image Optimization
7. Tissue Harmonic Imaging (THI)
8. Digital calipers
9. Integrated system on wheeled cart
10. DICOM Send/Storage Commitment/Worklist
11. Needle Visualization
12. Vascular analysis package
13. B/W Printer
14. Programmable keyboard buttons
15. Microsoft Windows 7 or above if using Windows operating system
16. Encrypted hard drive
17. Video integration to the Philips Allura X-ray system
18. Cardiology quantification package

Transducers/ Probe Types

1. Linear 12-3 MHz
2. Intraoperative (Hockey Stick) 15-7 MHz
3. Cardiac 5-1 MHz

Support and other Documentation to Provide:

1. Provide DICOM Conformance Statement
2. Provide completed Pre-procurement Assessment form (6550)
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.). Warranty Period shall be a minimum of 1 year – part and labor. Contractor shall provide a hard copy of the warranty with the product.
4. Please provide version/platform long-range plan
5. Provide 2 Copies Product Service Manuals (1 Hard Copy and 1 Digital Copy)

Training

1. On-site
  - a. Clinical applications – minimum of 2 days (4 hours each day)
  - b. Training should include both technologists and physicians

Trade-in: None