

**Functional Requirements for Anesthesia Small Form Factor Ultrasound
for Minneapolis VA Healthcare System (Station 618)
Obligation Number 618-B89090**

This Anesthesia ultrasound will be used for the following clinical applications: General purpose, TEE procedures, Vascular, Nerve Blocks, and Echocardiograms.

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 with multi-port adapter
10. DICOM Send/Storage Commitment/Worklist
11. Ability to perform an exam on battery power
12. Programmable keyboard buttons
13. Microsoft Windows 7 or above if using Windows operating system
14. Encrypted hard drive
15. Compatible with Philips X7-2t Transesophageal transducer *(if the vendor solution is not compatible, please quote a TEE transducer)*
16. Compatible with Syngo Dynamics PACS and the ability to acquire secondary capture for 2D/3D images
17. Needle Visualization package.

Transducers/ Probe Types:

1. Cardiac 5-1 MHz
2. Curved abdominal 5-1 MHz
3. Linear superficial vascular, MSK 12-3 MHz
4. Linear small parts 15-7 MHz

Analysis Packages:

1. Vascular, Clinical Option
2. Adult Echo, Clinical Option

Support and other Documentation to Provide:

1. Provide DICOM Conformance Statement
2. Provide completed Pre-procurement Assessment form (6550) and MDS2 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.). 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 **during go-live** - minimum of 2 days (8 hours each day).
 - b) Training should be for both technologists and physicians
- 2) Off-site
 - a) Technologists – off-site training – for 1 technologist
 - b) This training should be scheduled and completed after the system has been installed.

Trade-in: None