

**Functional Requirements for Cardiology Small Form Factor Ultrasound
for Minneapolis VA Healthcare System (Station 618)
Obligation Number 618-B69048 TRADE IN**

This Cardiology ultrasound will be used for the following clinical applications: General purpose, Echocardiograms, TEE procedures, and vascular.

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. B/W Printer
13. Programmable keyboard buttons
14. Microsoft Windows 7 or above if using Windows operating system
15. Encrypted hard drive
16. Integration to the Philips Allura X-ray system including fusion image software
17. Compatible with Philips X7-2t Transesophageal transducer *(if the vendor solution is not compatible, please quote a TEE transducer)*
18. Compatible with Syngo Dynamics PACS and the ability to acquire secondary capture for 2D/3D images

Transducers/ Probe Types:

1. Cardiac 5-1 MHz
2. PW/CW Doppler 2 MHz

Analysis Packages:

1. Cardiology quantification package
2. Vascular Clinical Option
3. Adult Echo, Clinical Option
4. Stress Echo
5. Exam Protocols/Smart Exam
6. 3D Quantification – Basic and advanced
7. Interventional Cardiology
8. 2D ICE

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) 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: 84884
Manufacturer: Philips
Model: CX50
SN: SG71000801
Acquisition Date: September 2010