

**Functional Requirements for Ultrasound
For Omaha VA Healthcare System (Station 636)
Obligation Number 636-B50096**

A diagnostic ultrasound device designed for use in critical care/emergency care areas capable for the following clinical applications:

- Cardiac and TEE (*TEE probe not to be included on the order*)
- Vascular Access
- Lung
- Pelvic (including OB)
- Abdomen
- Ocular
- Musculoskeletal
- Superficial
- Nerve (0-4 cm, 4-6 cm, 6+ cm)
- Vascular (Venous and Arterial)
- Needle Guidance/Visualization
- Spine
- Adult Echo
- Tissue

Performance Specifications:

1. Ultrasound M-Mode
2. Ultrasound Doppler Mode
3. Continuous wave and pulse wave doppler
4. 2D Mode
5. Color Mode
6. Point of Care mode
7. Large 17 inch monitor with adjustable height capability
8. Touch screen quick-key capable
9. Touch activated control panel behind sealed glass for ease of cleaning/disinfecting
10. Minimum of 3 transducer ports
11. Integrated system on wheeled cart
12. Battery back-up
13. Capability to configure controls to only show most used applications
14. DICOM capability
15. DVD RW drive
16. Sleep Mode for battery conservation
17. Transducers Required:
 - a) General Use abdominal, Pelvic which includes obstetrical and gynecological applications, nerve, FAST, Spine, 6 to 2 MHz extended operating frequency range
 - b) Broadband linear for vascular, access musculoskeletal, nerve, superficial, 12-4 Mhz
 - c) Compact for cardiac, lung, 4-2 MHz

Support and other Documentation to Provide:

1. Provide completed pre-procurement assessment form (6550).
2. Provide 2 copies product service manuals (1 hard copy and 1 digital copy).

Training

1. On-site Clinical applications **during go-live** - minimum of 1 day (8 hours)