

Equipment Specifications

Bone Densitometer

VISN 9/ Tennessee Valley Healthcare System

626-B90131

A. REQUIREMENT OVERVIEW

Tennessee Valley Healthcare System requires two replacement bone densitometry units for direct patient care in the Nuclear Medicine section of Medical Imaging. These units are used to assess diseases of the bones and outcomes are utilized for treatment planning of patients at the facility.

Facility	Quantity
TVHS	2

B. TECHNICAL REQUIREMENTS

1. Unit physical specifications

a. Minimum scan time at 1% CV for whole body [s]	295 sec
b. Minimum scan time at 1% CV for AP spine [s]	28sec + or – 10 sec
c. Minimum scan time at 1% CV for lateral spine [s]	56 sec + or – 10 sec
d. Minimum scan time at 1% CV for forearm [s]	21 sec + or – 10 sec
e. Minimum scan time at 1% CV for femur [s]	55sec dual/ 28 single + or – 10 sec
f. Maximum patient weight limit [lbs]	300 lbs
g. Maximum table height from floor [in]	51 inches
h. Minimum distance between table and c-arm [in]	17 inches
i. Minimum monitor size [in]	20 inches
j. Minimum hard drive storage [GB]	50 GB

2. Additional specifications

<input checked="" type="checkbox"/>	a. Fan beam system
<input checked="" type="checkbox"/>	b. Daily calibrations
<input checked="" type="checkbox"/>	c. Integrated dose reporting/structured reporting
<input checked="" type="checkbox"/>	d. Mobile cart/desk
<input checked="" type="checkbox"/>	e. Workstation UPS
<input checked="" type="checkbox"/>	f. Color printer



<input checked="" type="checkbox"/>	g. Standard report to reflect normal T-score and Z-score values based on World Health Organization criteria in addition to the NHANES and reference data
<input checked="" type="checkbox"/>	h. Customizable standard report (format, color, layout, etc.)
<input checked="" type="checkbox"/>	i. Auto-generated reports with acquired data

3. Migration Requirements

<input checked="" type="checkbox"/>	a. Project management support
<input checked="" type="checkbox"/>	b. Technical resources
<input checked="" type="checkbox"/>	c. Hardware (any required for compiling the migration)

4. Security/Connectivity Requirements

<input checked="" type="checkbox"/>	a. OEM-supported operating system
<input checked="" type="checkbox"/>	b. Latest DICOM print, store, commit, radiation dose structured report (RDSR), and modality worklist
<input checked="" type="checkbox"/>	c. Encrypted hard drive
<input checked="" type="checkbox"/>	d. PACS compatibility – McKesson

5. Added Value

Specifications listed below are not required, but preferred. Vendors who do not include the below specifications in the submitted offer will not be docked or excluded from consideration. Specifications listed below will be evaluated based on added value.

<input checked="" type="checkbox"/>	a. Additional year(s) of warranty
<input checked="" type="checkbox"/>	b. Post-warranty remote diagnostic service program
<input checked="" type="checkbox"/>	c. Version/platform long-range plan

C. TRAINING REQUIREMENTS

1. Clinical Training

<input checked="" type="checkbox"/>	a. On-site clinical applications training for 8 technologists during go-live
<input checked="" type="checkbox"/>	b. On-site follow-up clinical applications training for 3 technologists once technologists have hands-on experience with the system
<input checked="" type="checkbox"/>	c. Technologists who complete the clinical applications training shall receive continuing education credits (CMEs).
<input checked="" type="checkbox"/>	d. Vendors shall be responsible for accommodating different personnel shifts for clinical applications training during go-live.

2. Biomedical Technician Training



Please reference the “Instructions to Offers” section 2.8.g for further information about the type of information to provide by equipment type not by specific request. Please also reference the “Instructions to Offers” section 7.3.3. for response format.

Technical training information to include detailed information about the curriculum and length of the biomedical technical training required for each equipment type.

Although the NAC will not award this training along with the equipment, it is imperative that the customer is informed that this training is available. Vendors must demonstrate that they can provide any required off-site training, therefore off-site training should be quoted as an optional item. Off-site training will be purchased at the time of need via a modification (if the original order remains open) or via a separate order. No travel expenses for any VA employees will be included in any HTME equipment or training order.

D. SERVICE REQUIREMENTS

1. VPN/Remote Access – The vendor shall provide any and all equipment service programs, such as remote diagnostics, during the warranty period. The vendor shall provide post-warranty remote diagnostic service program as an “Add Option” with the offer. The system shall provide vendor remote diagnostics via VPN. The vendor shall either utilize the VA national site-to-site VPN or work with the Office of Cyber and Information Security and the VAMC Information Systems Security Officer to establish a client-based VPN.
2. Service and Operator Manuals – The vendor shall provide the following documentation for the proposed systems:
 - a. Two (2) copies of operator instruction manuals (one (1) electronic and one (1) physical copy)
 - b. Two (2) copies of a service manuals (one (1) electronic and one (1) physical copy)*Vendors can include the physical copy as a priced line item in their quote as applicable.
3. Minimum Warranty – The system and accessories shall be covered under the manufacturer’s warranty and shall include all parts and labor for one year following acceptance by the VAMC. This warranty must include PMs as required by the manufacturer. The manufacturer’s factory-trained field service representatives shall perform installation and maintenance during the warranty period.

Vendors are encouraged to include any offerings for service, warranty, and training that may exceed the minimum requirements, to include information on their service support structure during and after the warranty period. Vendors who do not include any added value offerings for service, warranty, and training will not be docked or excluded from consideration. However, any such offerings will be evaluated based on added value.

E. OTHER INFORMATION/DOCUMENTATION REQUESTED

Please reference the “Instructions to Offers” section 2.8a-h for further information about the type of information to provide by equipment type not by specific request. Please also reference the “Instructions to Offers” section 7.3.3. for response format.

1. Completed pre-procurement assessment form (6550 Appendix A)
2. Completed Manufacture Disclosure Statement for Medical Device Security (MDS2) form
3. Federal Information Processing Standard (FIPS) 140-2 certification
4. Product brochures
5. Technical specification sheets, to include dimensions and weight of the system



6. Typical drawings (pdf version of the CAD drawings)
7. Technical training- Biomedical: information to include detailed information about the curriculum and length of the biomedical technical training required for each equipment type.
 - Although the NAC will not award this training along with the equipment, it is imperative that the customer is informed that this training is available. Vendors must demonstrate that they can provide any required off-site training, therefore off-site training should be quoted as an optional item. Off-site training will be purchased at the time of need via a modification (if the original order remains open) or via a separate order. No travel expenses for any VA employees will be included in any HTME equipment or training order.
8. Support information to include your company's support structure during and after the warranty period
 - On-line or telephonic applications support and availability (include third party coverage)
 - A listing of field service engineer locations and availability
 - A listing of part depots

F. TRADE-IN

<input checked="" type="checkbox"/>	a. In instances where sanitization of ePHI compromises the OS and/or application software, or requires the removal of internal storage media, the vendor accepts the equipment "as is" and can elect at their own discretion to contract with the original equipment manufacturer (OEM) to restore the system.
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The following equipment is available for trade-in. Please reflect any credits provided for trade-in equipment in the proposal.

Station	TVHS
Manufacturer	GE
Model	Prodigy Advanced
EE/Asset Number	86502
Serial Number	PA+301076

Station	TVHS
Manufacturer	GE
Model	Prodigy Advanced
EE/Asset Number	86551
Serial Number	PA+301074

