Equipment Specifications
C-arm
VISN 20/VA Puget Sound – Seattle Division
663-B90046

A. REQUIREMENT OVERVIEW

The Puget Sound VA, Seattle, is requesting a mobile C-arm imaging system for the purpose of enhanced accuracy with ERCPs, luminal stent placement and other GI procedures that require a guidewire. This C-arm will be used by the Gastroenterology department. Offerors under this proposal shall provide all equipment and accessories, equipment installation services, training, and project management support.

Facility	Quantity
VA Puget Sound – Seattle Division	1

B. TECHNICAL REQUIREMENTS

1. Unit physical specifications

a. Source to image distance [mm]	990-995
b. C-arm pivot rotation [deg]	± 200°
c. C-Arm orbital rotation [deg]	140° rotation (+90°/-50°)
d. Minimum c-arm depth [in]	27-30
e. C-arm opening [mm]	772
f. Maximum generator output power [kW]	15
g. Minimum monitor size (if dual) [in]	2 x 19

2. Additional specifications

☒	a. Flat detector technology
☒	b. Flat surface beneath detector to allow for efficient table-top positioning
☒	c. User interface with common language for positioning the system
☒	d. Motorized system
☒	e. Mobile system
☒	f. Image magnification with a minimum of 3 settings
☒	g. Low profile tube housing – Vendors are encouraged to propose the smallest housing available.
☒	h. Tube head controls for use by clinician
☒	i. Wireless foot pedal
☒	j. Centering/alignment light for tube head
☒	k. Flat panel monitor(s) workstation on a cart with either dual or single high-resolution monitors
☒	l. Reference monitor

☒	m. Integrated keyboard on workstation allowing back-up functionality to touch screen control system
☒	n. Motion and metal detection
☒	o. Measurement software
☒	p. Automatic video playback
☒	q. Integrated dose reporting, specifically RDSR
☒	r. User-configurable threshold dose warning
☒	s. Digital image rotation, reversal, and image invert
☒	t. Selectable mode settings for high-level pulse and low dose
☒	u. Position memory
☒	v. Easy positioning of the c-arm – ability to “rainbow” (over-scan) 180° without moving away from the patient
☒	w. DVD/CD or USB drive
☒	x. Forward tube source
☒	y. Touchscreen monitor on C-arm with 160° viewing angle horizontal and vertical direction
☒	z. Enhance accuracy for procedures with guidewires
☒	aa. Continuous fluoroscopy
☒	bb. Pulsed fluoroscopy

3. Generator specifications

☒	a. High-frequency
☒	b. Automatic dose rate control
☒	c. Ability to power from a standard wall outlet
☒	d. Pulse and continuous fluoroscopy modes

4. Security/Connectivity requirements

☒	a. OEM-supported operating system
☒	b. Latest DICOM print, store, commit, radiation dose structured report (RDSR), and modality worklist
☒	c. Encrypted hard drive
☒	d. PACS compatibility – Carestream

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.

☒	a. Additional year(s) of warranty

C. TRAINING REQUIREMENTS

1. Clinical Training

☒	a. On-site clinical applications training for 1 technologist during go-live
☒	b. On-site clinical applications training for 5 nurses during go-live
☒	c. On-site clinical applications training for 3 physicians during go-live
☒	d. On-site follow-up clinical applications training for 1 technologist once technologist has hands-on experience with the system
☒	e. On-site follow-up clinical applications for 5 nurses once nurses have hands-on experience with the system
☒	f. On-site follow-up clinical applications training for 3 physicians once physicians have hands-on experience with the system
☒	g. Technologists who complete the clinical applications training shall receive continuing education credits (CMEs).
☒	h. 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. INFORMATION AND OTHER DOCUMENTATION REQUIRED

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

☒	a. VA has no trade-in units to offer.