

Equipment Specifications

O-Arm - Computed Tomography Scanner

VISN 23/636 Omaha, NE

636-B80114

A. REQUIREMENT OVERVIEW

VA site at Omaha, NE, a part of the Nebraska Western Iowa Healthcare System, is requesting one portable all in one unit that opens like a C-arm with spinal procedure software and build in navigation system. The unit will be used in the OR suites for neurological procedures.

Facility	Quantity
Omaha	1

B. TECHNICAL REQUIREMENTS

1. Unit physical specifications

a. Minimum number of slices	391
b. Minimum gantry aperture [cm]	68.9 cm
c. Minimum detector width [mm]	2.0K x 1.5K
d. Minimum detector field of view [cm]	20.0 cm
e. Table height range from floor [cm]	Unit is a portable O-arm, table is not attached
f. Maximum patient weight supported [kg]	Unit is a portable O-arm, table is not attached
g. Minimum 360° rotation time [s] – Vendors are encouraged to propose the fastest 360° rotation available.	14 sec / 40ms
h. Maximum system dimensions [cm]	250 cm x 81.3 cm x 193 cm (closed)
i. Maximum system weight [kg]	925.8 kg

2. Additional specifications

<input checked="" type="checkbox"/>	a. Ability to display DLP (dose) after exposure
<input checked="" type="checkbox"/>	b. Modeled iterative reconstruction/Noise reduction. Vendors are encouraged to propose the greatest available noise reduction.
<input checked="" type="checkbox"/>	c. Full UPS
<input checked="" type="checkbox"/>	d. Primary operating/scanning workstation with a UPS



<input checked="" type="checkbox"/>	e. Power conditioning (as defined by vendor)
<input checked="" type="checkbox"/>	f. Ability to lock protocols
<input checked="" type="checkbox"/>	g. Ability to facilitate regular protocol optimization and reduced radiation dose to the patient, including but not limited to iterative reconstruction technology

3. Advanced Applications

<input checked="" type="checkbox"/>	a. CT Fluoroscopy
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Each vendor is to respond with advanced applications that meet the criteria listed above. Please include all other advanced applications offered by your company in the optional section on the quotes.

4. Security/Connectivity requirements

<input checked="" type="checkbox"/>	a. OEM-supported operating system
<input checked="" type="checkbox"/>	b. DICOM 3.0 print, store, commit, radiation dose structured report (RDSR), and modality worklist
<input checked="" type="checkbox"/>	c. HL7 integration (HIS/RIS)
<input checked="" type="checkbox"/>	d. Wireless – compatible with 802.11b/g/n and FIPS 140-2 compliant
<input checked="" type="checkbox"/>	e. PACS compatibility – [ACUO]

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"/>	Gantry tilt
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C. TRAINING REQUIREMENTS

Description	No. of Personnel
1. On-site clinical applications training during go-live for technologists, to cover each of the software packages	5
2. On-site follow-up clinical applications training, to be provided after technologists/physicians have hands-on experience with the system	5
3. Off-site clinical applications training for technologists (to include tuition)	0
4. On-site clinical applications training for physicians during go-live	5
5. Biomedical technician training package (to include tuition)	1



Biomedical technician training shall include any prerequisites required prior to the training and shall be equivalent to the training received by OEM field service representatives. Technicians shall be given all service manuals, schematics, diagrams, diagnostic software, other special tools, and keys equivalent to what OEM field service representatives have available to diagnose, troubleshoot, repair, and maintain the equipment.

Technologists who complete the clinical applications training shall receive continuing education credits (CMEs).

D. SERVICE REQUIREMENTS

1. VPN/Remote Access – The vendor shall provide, at no additional cost, 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 system manager (super user) manual outlining back-up procedures, managing privilege group limits, routine tasks, etc.
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 requirements with their proposals. 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

1. Product brochures
2. Technical specification sheets, to include dimensions and weight of the system
3. Longest z-axis acquisition per rotation, and while achieving that, the
 - a. Maximum temporal resolution,
 - b. Maximum spatial resolution in mm and in line pair equivalents,
 - c. Maximum reconstruction rate (frames/sec) with maximum available noise reduction applied, and
 - d. Smallest focal spot size
4. Information on the functionality each workstation provides (e.g. same functionality, if they operate independently)
5. Method used for cooling (i.e. water-cooled vs air cooled)
 - a. If water-cooled, specify the method of connection (e.g. simple access to cold water vs intercooler)
 - b. If air-cooled, specify the sound levels and BTU production into the room.
6. DICOM Conformance Statement
7. IHE integration statement



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8. FIPS 140-2 certification
 9. Completed pre-procurement assessment form (6550)
 10. Completed MDS2 form
 11. Detailed information about the curriculum and length of the biomedical technical training
 12. Details on any off-site training offered for technologists
 13. Information about your company's support structure during the warranty period.
 - a. Describe on-line or telephonic applications support and availability.
 - b. Provide a listing of field service engineer locations and availability
 - c. Provide a listing of part depots
 14. Information about your company's support options following the warranty period, including a description of on-line or telephonic applications support and availability
 15. Version/platform long-range plan
 16. Two (2) copies of the product service manual (one (1) hard copy and one (1) digital copy)
 17. References for the clinical applications trainer that will be assigned to the requesting VISN
 18. Information on any FDA safety recalls associated with the proposed equipment

F. TRADE-IN

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| <input checked="checked" type="checkbox"/> | a. VA has no trade-in units to offer. |
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