

VA Boston Healthcare System Angiography Functional Statement

Objective

This document highlights the technical specifications and services being requested by the Boston VAMC for consideration towards purchase of an Angiography/Interventional Radiology System. Offerors under this proposal shall provide all equipment and accessories, installation services, training, and project management support.

Project Management

This project will include Turn-Key Construction to re-construct the current Angiography space. All Offerors are expected to facilitate the design process by working with their own Architect as well as an internal project manager. Each offeror should provide guidance, medical equipment drawings, and any other information relevant to the required design for proper installation of the Angiography room.

Coordination during the construction phase of the project is required by the Offeror. The Project Manager, as identified by the Offeror, will be responsible for continuing ongoing communication and providing guidance to the General Contractor as needed.

Product delivery will be the responsibility of the Offeror. Working with the General Contractor and Boston VAMC project management, the Offeror will be responsible for coordinating and performing device installation.

Equipment Specifications

1. System
 - a. Single-Plane
 - b. Ability to offer both floor and ceiling mounted systems
 - c. Flat Panel Detector ($\geq 30\text{cm} \times 40\text{cm}$)
2. Table
 - a. $\geq 400\text{lb}$ weight limit
 - b. Ability to tilt ≥ 14 degrees laterally
 - c. ≥ 2 inch mattress pad
 - d. Table must include arm rest
 - e. Tempurpedic Mattress Pad (option)
3. Hardware
 - a. Integrated System Shielding
 - i. List shielding options
 - b. Operators console with expanded memory

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- i. List capacity options
 - c. Post processing workstation with 3D capability
 - i. Identify images/sec reconstruction rates
 - d. Injector
 - e. System UPS
 - i. Protect the system in the event of power failure to allow for a proper shutdown
 - f. Workstation UPS for operators console
 - i. Protect the system's operating console from power failure and allow proper system shutdown
 - g. Phantom Kit
 - i. All required phantoms shall be included to all for calibration and performance verification. All system requirements and options identified in this Functional Statement which require a phantom must have that phantom provided in the offer.
 - h. ≥ 52 inch system display
 - i. Must be able to include inputs from at least 6 sources
 - i. IVUS Volcano System (option)
 - j. CT gantry (option)
- 4. Software
 - a. Dose Monitoring System
 - i. Offeror shall provide necessary specifications on how this software reduces and reports dose experienced by both the patient and user.
 - b. Cone Beam/3D imaging capable
 - c. Digital Subtraction Angiography
 - d. Neuroradiological Software
 - e. Stenosis Measurement Software
 - f. Vessel Analysis/Mapping Software
 - g. Peripheral Angiography Software
 - h. Software to give the ability to fuse images from CT and MRI, ultrasound (option)
 - i. Software to aid with positioning of a needle using an ultrasound device (option)
 - i. Offeror shall provide necessary specifications for this software
 - ii. If software is unable to interface with an ultrasound device, please provide alternate methodology
 - j. Hemodynamic Monitoring (option)
 - i. Offeror shall provide necessary specifications for this software

Training to be Provided

1. At least two weeks of onsite training for technologist (option)

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2. One X-Ray Tech training at Offeror's training location to include travel and accommodations (option)
3. One Biomedical Engineer training at Offeror's training location to include travel and accommodations (option)

Technical/Networking Capabilities

1. Must be on the VistA Imaging Approved DICOM Modality Interface List
2. Ability to interface with PACS and 3rd Party post processing workstations, specifically Carestream PACS

Evaluation Criteria

Offers will be considered with consideration of the factors identified below. No specific ranking order is provided with the list below.

1. General system offering – functional capabilities and technical performance
2. Training Plan
3. Anticipated reliability and serviceability
4. Past Performance
5. Human factors design – ease of use, intuitive operation, capabilities, and workflow efficiencies
6. Price
7. Implementation management and schedule

Variances - It is recognized that each vendor's product line may differ from these specifications. As such, vendors are free to propose variances from these specifications. It is required, however, that, whenever a variance from these specifications occurs, the proposed item meets or exceeds the specified characteristics or level of performance. The vendor shall identify each product line item that differs from the specifications.

Further Consideration

Offeror's are provided the opportunity to obtain further details from the Boston VAMC in order to better tailor the product quote. All requests for information derived from any Offeror will be shared with each Contracted vendor per the National Acquisition centers supplied vendor list for this modality.