

**Capital Equipment Specifications**  
**CT scanner – Sioux Falls VAMC – 618-B39016**

VISN 23 is requesting 13 CT scanners that can deliver the best imaging at the lowest possible dose. This request is for one CT scanner to be located at the Sioux Falls VA - order number 618-B39016.

**CT Scanner Technical Requirements**

1. Scanner shall provide the ability for the user to independently operate the table, gantry and CT fluoroscopy mode while performing biopsy or patient related exams. This ability would be in addition to the control happening in the control room.
2. Gantry aperture  $\geq 70\text{cm}$
3. 360 Degree rotation  $\leq .35\text{ sec}$
4. Minimum number of samples per rotation (images, slices)  $\geq 64$
5. Display CTDIvol (dose) before scan
6. Display DLP (dose) after exposure
7. Automated ma regulation
8. Iterative reconstruction
9. Contrast timed injections (bolus chase)
10. Retrospective/prospective gated ECG Coronary CCTA
11. ECG Monitor
12. ROI triggered cases in which contrast attenuation during the scan during the injection using a placed gate ROI in aorta or pulmonary artery for CTA and CCTA
13. Medrad/Bayer Contrast Injector – Ceiling Mounted
14. 50cm Full Field Scan
15. Reconstruction of images  $< 24$  per second
16. HL7 integration (HIS/RIS)
17. DICOM and IHE- Q/R, MWM, STORAGE COMMIT SCU, MPPS
18. Power conditioning (as defined by vendors)
19. UPS (designed to cover the time required to switch to Emergency Power)

**Table Technical Requirements**

1. Full articulation of the table
2. Patient weight capacity  $\geq 200\text{kg}$  or 440lb encourage to submit bids with highest wait support

**Workstation Technical Requirements**

1. Operators workstation including UPS (as defined by vendors)
2. Technologist workstation including UPS (as defined by vendors)

**Advanced Applications**

1. CT Fluoroscopy
2. CT Perfusion
3. CT Cardiac
4. Integration to 3rd party Advanced Visualization System

**Training**

Technologist Training:

1. Initial Onsite Applications Training (minimum 4 days) – to be used 1 week prior to Go-Live for technologists
2. Go-Live onsite Applications Training (minimum 4 days) – to be used for technologists
3. Follow-up Onsite Applications Training (minimum 2 days) – to be used with the first 9 months from Go-Live for technologists

4. Offsite Training – for four Radiology technologists
5. Offsite Training Travel Package – for four Radiology technologists (Lodging/Meals/Transportation)

Physician Training:

1. Go-Live onsite Applications Training (minimum 4 days) – to be used for Physicians
2. Follow-up Onsite Applications (minimum 4 days) – to be used with the first 9 months from Go-Live for Physicians
3. Offsite Training – for two Physicians
4. Offsite Training Travel Package – for two Physicians (Lodging/Meals/Transportation)

Technical Training:

1. Technical Biomedical Engineering Training
2. Technical Biomedical Engineering Training Travel Package (Lodging/Meals/Transportation)

**Support and other Documentation to Provide:**

1. Provide DICOM Conformance Statement
2. Provide completed Pre-procurement Assessment form (6550) and MDS2 document
3. Provide information about your company's applications and technical support structure during the warranty period (i.e. a listing of Field Service Engineer locations and availability, support 800 phone number(s), remote support, etc.)
4. Provide information about your company's applications and technical support structure during after the warranty period (i.e. a listing of Field Service Engineer locations and availability, support 800 phone number(s), remote support, etc.)

**Trade-in**

Option 1

Manufacturer: Philips

Model: Brilliance 64

EE: 15624

S/N: 9728

Acquisition Date: 4/28/2007