

SECTION B – STATEMENT OF WORK (SOW)

1. Background:

The SFVAHCS has a requirement for OCTA equipment and turnkey installation.

2. Scope of Work:

The scope of work includes providing the equipment and turnkey installation.

3. Supplies/Services:

The items shall be completely new, and shall not be used, refurbished, or in any other form, including substitutions. Contractor shall not add or substitute any component(s) without prior approval from the contracting officer.

4. Specific mandatory deliverables, tasks, salient characteristics of Zeiss equipment:

- Must have the ability to capture and provide OCT angiography o Provided by a single OCT scan that allows for visualization of both micro vascular and structural information in a noninvasive dye free scan by the OCT,
- Must have the ability to import and integrate the Cirrus Model HD OCT 4000 raw data, and raw data must be interchangeable between the Cirrus 4000 and 5000,
- New Cirrus 5000 equipment must be 100 percent compatible with Cirrus 4000 equipment,
- Must have the ability to provide layer by layer analysis and HD scan patterns to view patient fovea,
- Must have exact Macular Scan Pattern of 512x128 for retina scan with exact scanning speed at 27,000 A-scans/second with a 6mmx6mm
- Unit must have the exact scan pattern of 200x200 in a 6mmx6mm cube for glaucoma scan with scanning speed 27,000 A-scans per second which will provide a wide-field structural damage assessment,
- Must be able to capture and provide RNFL, ONH, Neuro Retinal Rim Tissue, and 3D Cube capabilities,
- Unit must be able to provide a report for Ganglion Cell Analysis that is derived from a scan must be comprised of 6mmx6mm cube scan with a minimum by 200x200 line scan pattern with no more than 30 microns between each slice,
- Minimum pupil requirements must be 2mm or less,
- Unit must utilize an LSO Fundus Camera,
- Unit must automatically track to prior scan without technician alignment,
- Must provide anterior segment scan that is minimal 15.5mm in length and 5.8 in depth,
- Global pachymetry report that is comprised of minimum of 24 radial scans and must be at a minimum 9mm in length,
- Unit must be a 90 degree configuration so operator must sit to the side of the patient

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- OCT Imaging:

- o Methodology - Spectral domain OCT,
- o Optical source - Superluminescent diode (SLD), 840 nm,
- o Scan speed - 27,000 A-scans per second or 68,000 A-scans per second,
- o All existing scan patterns in version 6.5 software will run at 27,000 A-scans per second, which is the same scan speed as the CIRRUS 4000;
- o All patient data from the Cirrus 4000 instrument can be transferred into the Cirrus 5000 seamlessly and used immediately for Guided Progression Analysis or any other Cirrus analytical program,
- o A-scan depth - 2.0mm (in tissue), 1024 points,
- o Axial resolution - 5 um (in tissue),
- o Transverse resolution - 15 um (in tissue),
- o Cube scan pattern - 512 x 126 with over >67 million data points and 47um spacing between lines,
- o Cube scan pattern - 200 x 200 with over >40 million data points and 30um spacing between lines,

- Fundus Imaging:

- o Methodology - Line scanning ophthalmoscope (LSO)
- o Live fundus image - during alignment and during OCT scan,
- o Optical source - Superluminescent diode (SLD) – 750nm,
- o Field of view-36 degrees Wx 30 degrees H,
- o Frame rate - >20 Hz,
- o Transverse resolution - 25 um (in tissue),
- Iris Imaging:
 - o Methodology - CCD Camera,
 - o Resolution - 1280 x 1024,
 - o Live iris image - During alignment,
- Fixation:
 - o Internal fixation focus adjustment : -20D to +20D (diopters),
 - o Electrical rating (115V) - Single Phase, 100-120V~systems: 50/60Hz 5A,
 - o Electrical rating (230V) - Single Phase, 200-240V~systems: 50/60Hz 2.5A,
- Internal Computer:
 - o Operating system/processor must be Windows 7, and 4th generation i7 Intel processor;
 - o Memory of hard drive/internal storage should be greater than or equal to 2T or 200,000 scans,
 - o Local storage must be at least 16GB.
 - o Display should be an integrated 19" color flat panel display
 - o Must have 6 USB ports

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- Review software supported operating systems must include Windows 8.1, Windows 7, and Windows Server 2008 R2

5. User and Service Manuals:

5.1 Two (2) complete and unabridged printed copies of operator manuals shall be provided to the VA, and two (2) complete and unabridged printed copies of service manuals shall be provided to the VA at the time of installation of the equipment.

5.2 One (1) electronic version (CD) of the unabridged operator manual and service manual shall be provided to the VA at the time of installation of the equipment.

6. Delivery:

The equipment, related parts, and other deliverables shall be delivered to the VA warehouse.

7. Packaging:

7.1 All items shall be marked clearly with the order number, obligation number, and delivery location within the hospital (e.g. radiology room).

7.2 All items shall be adequately packaged to prevent damage during shipping, handling, and storage. Bags or boxes or containers shall be whole, intact, and not otherwise torn or damaged.

7.3 Upon delivery, the Government shall examine all packages. The contractor shall be required to replace damaged products at the contractor's expense.

8. Hours of Work:

Installation will be conducted Monday through Friday, and possibly on weekends, after normal working hours to minimize disruption of patients'.