

REQUISITION: 528-B82017
SHIP TO: A&MM WAREHOUSE
V.A. Medical Center
400 FORT HILL AVE
BLDG 11
CANANDAIGUA, NY 14424-1188

Item No.	QTY	DESCRIPTION
	1	clear 2.0
1	1	<p>LOGIQ E9 XDclear 2.0 Console for U.S.A.</p> <p>Through the combination of extraordinary images, easy workflow and expert tools, the LOGIQ E9 XDclear 2.0 provides the latest GE technology to help enhance diagnostic confidence and workflow efficiency every day in a variety of challenging exams. Innovative features: Agile Acoustic Architecture with flexible clinically based mathematical models of the body for enhanced image quality and XDclear transducer technology capabilities. The LOGIQ E9 XDclear 2.0 also includes: B-flow technology to help visualize real-time hemodynamic flow and vessel wall definition; Compare Assistant, a workflow enhancement tool that enables easy side by side comparison of previous ultrasound or other modality images with a live ultrasound image; Scan Assistant procedure automation program that intuitively assists the user with customizable system functions at each step of the study to streamline productivity, enhance consistency and reduce keystrokes; LOGIQVIEW an integrated, extended field of view B-mode imaging with measurement capability; LOGIQ E9 Wireless Version 3 an integrated wireless capability allows for wireless DICOM transfer within a 802.11ac/a/b/g/n wireless network - includes support for Enterprise authentication; and B-Steer+ which can be used for B mode steering image to help improve needle visualization/reflectivity. Also included: CrossXBeam (spatial compounding), SRI HD (Speckle Reduction Imaging in High Definition) with Organ Specific Imaging, and Coded Harmonics. Productivity can be enhanced through many features such as Raw Data for post-processing of images, Automatic Optimization, Virtual Convex, and Advanced 3D (w/ multiplanar displays). Advanced ergonomics including 22 wide screen high resolution OLED display (1920 x 1080) with articulating arm, motorized adjustable console, 10.4 inch color LED touch screen, four active transducer ports with patented cable hook. Scanning modes include B-Mode, M-Mode, Color Flow, Pulsed Wave, and Power Doppler. Other system features include: Windows** Embedded Standard 7 operating platform, 776 MB cine memory, 500GB internal hard drive, DVD-R, image archive, built-in gel warmer, user footrest, integrated on-board</p>

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		<p>black and white printer bay, and user programmable model parameters. Includes comprehensive software annotation, calculations, and worksheets supporting obstetrical, gynecological, vascular and general imaging applications. Includes a DICOM*** software package providing Verify, Print, Store, Multiframe, Modality Worklist, MPPS (Modality Performed Procedure Step), Storage Commitment, Media Exchange and Enhanced US Volume Storage. Additionally, supports Query/Retrieve and Structured Reporting. Does not include network hardware, which may be required. Includes initial installation and connection to customer network. Includes one-year warranty and three days of On-site Applications Training. Additional On-site Applications Training days are available for purchase. Training must be completed within six (6) months after Product delivery, otherwise GE Healthcare's obligation to provide the training will expire without refund. Participating in advanced technology training at the GE Healthcare Education Center in Metro Milwaukee can be purchased separately. Customer workflow permitting and abiding by SDMS criteria, sonographer install CE's may be provided during install training. *Trademark of General Electric Company. **Third party trademarks are the property of their respective owners. *** DICOM is the registered trademark of the National Electrical Manufacturers Association for its standard publications relating to digital communications of medical information.</p>
2	1	<p>ML6-15-D Matrix Linear Array Transducer</p> <p>Matrix array broad-spectrum linear transducer. Applications include: small parts, vascular, pediatrics, neonatal, breast, thyroid, scrotal. Biopsy kit available.</p>
3	1	<p>9L-D Linear Probe</p> <p>Broad-spectrum linear probe. Applications include: vascular, small parts, pediatric, and abdomen. Biopsy kit available.</p>
4	1	<p>IC5-9-D Micro-convex Intracavitary Probe</p> <p>Broad-spectrum micro-convex intracavitary probe. Applications include: obstetrics, gynecological, and urological. Biopsy kit</p>

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		available.
5	1	<p>C1-6-D XDclear Probe</p> <p>XDclear is GE's highest performing transducer technology which is a proprietary combination of advanced materials and innovative acoustic design. Convex transducer with XDclear technology helps achieve impressive depth on patients with difficult body habitus. Applications: abdominal, obstetrics, gynecological, urology, and vascular. Biopsy kit available.</p>
6	1	<p>C2-9-D XDclear Transducer</p> <p>XDclear is GE's highest performing transducer technology which is a proprietary combination of advanced materials and innovative acoustic design. Convex transducer with XDclear technology provides ultra-wide bandwidth and superb image quality. Applications: abdominal, obstetrics, gynecological, urology, vascular, pediatrics. Biopsy kit available.</p>
7		<p>Sony BW 898 Printer</p> <p>Sony UP898 B&W thermal printer for integrated mounting into the LOGIQ E9 console.</p>

Logiq 9 Trade

OPTIONS

Item No.	QTY	DESCRIPTION
8	1	<p>M5S-D Active Matrix Single Crystal Phased Array Sector Probe</p> <p>Multi-frequency, wide-band, active matrix single crystal phased array probe with bandwidth between 1.5 – 4.5 MHz. Supports the following applications: Cardiac, Pediatric, Abdomen, Fetal Heart, Transcranial, Coronary, Stress, LVO Contrast. Provides a 17 x 28 mm footprint, 30 cm depth of field and a 120-degree field of view.</p>
9	1	<p>RAB6-D Ultra-light 4-8.5 MHz Real Time 4D Convex Transducer</p> <p>Ultra-Light transducer for Abdomen, OB/GYN and Pediatric Applications. Multi-Frequency 4-8.5 MHz B FOV 70 degrees. Volume FOV 85x70 degrees. Footprint 53.2 x 40.6 mm. Biopsy Kit Available ONLY on Voluson products.</p>
10	1	<p>RIC5-9-D 4D Intracavitary Probe</p> <p>Real-time 4D micro-convex intracavitary probe. Applications include: obstetrics, gynecological, and urological. Biopsy kit available.</p>
11	1	<p>P2D 2 MHz CW Pencil Probe</p> <p>2MHz non-imaging pencil probe for CW Doppler examinations of cardiac flow. Non-imaging. Requires CW option.</p>
12	1	<p>LOGIQ E9 Shear Wave Elastography</p> <p>Shear Wave elastography offers clinicians an advanced level of diagnostic information for the evaluation of tissue stiffness. With Shear Wave elastography, the LOGIQ*E9 ultrasound system uses a focused burst of acoustic energy from the transducer to generate Shear Waves to produce</p>

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13 1	<p data-bbox="493 405 1057 724">quantitative measurements and a 2-D color coded elastogram. Easy Workflow tools include auto measurement sequencing of Shear Wave image frames, ability to display measurements in kPa or meters per sec, user-programmable Shear Wave maps, single or dual view display and summary measurement worksheet. Supported on C1-6-D, C1-6VN-D and 9L-D transducers. *Trademark of General Electric Company.</p> <p data-bbox="493 758 1013 821">LOGIQ E9 Automated Real-time 3D/4D Volume Imaging Package</p> <p data-bbox="493 846 1073 1087">The LOGIQ* E9 Real-time 3D/4D Automated Volume Imaging package combines all the volume ultrasound Imaging capabilities into one convenient bundle. In conjunction with the 4D Automated volume probes this Volume Ultrasound package includes the following features at a promotional price:</p> <p data-bbox="493 1106 1073 1348">Real-time 3D/4D - this option provides an automatic volume acquisition in real-time. The acquired volume data can be displayed in multiple planes (A-, B- and C-plane), as a volume dataset, rendered image or as a combination of both. Viewing angle, rendering modes and size of the volume are user adjustable.</p> <p data-bbox="493 1367 1040 1503">Two rendering modes (i.e., Surface, Surface Soft / Light, Transparent, Minimum, Maximum) can be combined in real-time with freely adjustable weighting.</p> <p data-bbox="493 1522 1073 1656">Due to the geometrically accurate automated volume acquisition, the same measurements and calculations can be performed as on a 'standard' 2D image</p> <p data-bbox="493 1675 1065 1808">With GE's unique Raw Data storage, the acquired volume data set can be stored, re-called and re-processed by applying 'live scanning controls' at any time.</p>

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	<p>The integrated Inversion Mode displays hypo-echoic structures (like vessels, cysts, etc.) bright and with smooth borders.</p> <p>Static 3D Color provides a 3D view of vascular structures. With 'Glass Body Rendering', 3D Color Flow and transparent B-Mode tissue information can be combined.</p> <p>(TUI) Tomographic Ultrasound Imaging enables volume data to be viewed in multiple slices and multiple planes, much like CT and MR, by using multiple simultaneous slices of a volume data set acquired with an automated volume transducer, helping to reduce probe time, while helping to improve throughput and diagnostic confidence.</p> <p>Volume Review offers the ability to review the automated 3D/4D probe acquisition and store this data as a DICOM** Multi-Frame (Cine Clip).</p> <p>VCI or Volume Contrast Imaging offers the ability to Render Thick or Thin Rendered slices of volume data in multiple planes (A, B and C), essentially changing pixel data to voxel data which helps to improve boarder definition and contrast resolution of any anatomy or pathology imaged with the automated 3D/4D volume probe(s).</p> <p>This Package includes an extra (1) day of On-site Applications Training. Additional On-site Applications Training days are available for purchase.</p> <p>*Trademark of General Electric Company.</p> <p>** DICOM is the registered trademark of the National Electrical Manufacturers Association for its standard publications relating to digital communications of medical information.</p> <p>LOGIQ E9 Cardiac Package</p> <p>LOGIQ E9 cardiac package includes the following: CW capability, physio input panel for ECG, ECG cable with long leads and clips, Auto Ejection Fraction also</p>

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15 1	<p>included. The Auto Ejection Fraction tool tracks and calculates myocardial tissue deformation.. Tissue Velocity Imaging (TVI) to measure the myocardial velocities longitudinally, evaluating systolic and diastolic function, Tissue Velocity Doppler (TVD) to measure segmental displacement of the myocardium longitudinally, and Q-analysis to plot the velocity information of discrete points for graphical analysis. For BT2011 and later systems. This Package includes an extra (1) day of On-site Applications Training. Additional On-site Applications Training days are available for purchase.</p> <p>ECG Module</p> <p>Physio input panel for ECG. Does not include ECG cable.</p>



U.S. Department
of Veterans Affairs

New York/New Jersey VA Health Care Network
Canandaigua VA Medical Center
400 Fort Hill Avenue | Canandaigua, NY 14424

www.canandaigua.va.gov

Statement of Work
1 Ultrasound System
4/14/18

Purchase Order:

Procurement Delivery Need: December 2018

Scope: The Canandaigua VA has a requirement to procure new a Ultrasound for the Radiology Department as well as trade in the old unit to maximize costs savings.

Procurement Requirement/Specifications: This requirement is for one Ultrasound System to include delivery and installation. Tentative delivery/installation is scheduled for December 2018. Training and education shall be included in the request before clinical use. The purchase of this unit will include the trade in of an old unit, full removal and transportation shall be included. The trade-in unit is a GE Logiq 9 Ultrasound System currently in use at 400 Fort Hill Ave, Canandaigua, NY 14424.

Additional Requirement: Vendor must submit a completed 6550 & MDS2 form in order to be considered for this request. This VA Directive 6550 & MDS2 form is required before any potential item can be considered per OI&T intake process requirements.

Data Requirement: Must be Veterans Integrated System Technology Architecture "VISTA" Imaging, Digital Imaging and Communications in Medicine "DICOM" compliant, and be able to connect to Hospital Information System "HIS", Radiology Information System "RIS", and Picture Archiving and Communication System "PACS" for efficient data transfer. Integration must be capable to the Electronic Health Record "EHR" (VAIQ# 7838241). Must be DICOM compliant, and be able to connect to HIS, RIS, and PACS for efficient data transfer.

Pertinent Information for Item Requirements:

Standard Features will include:

- Real-Time Hemodynamic flow and vessel wall definition view
- Side by side comparison of previous ultrasound or other modality images with live ultrasound image
- Automation program with user customizability system functions
- B-mode imaging with measurement capability
- Wireless capability with DICOM transfer within 802.11ac/b/g/n wireless network
- Support for Enterprise authentication
- Spatial Compounding
- Speckle Reduction Imaging in High Definition
- Organ Specific Imaging
- Coded Harmonics
- Raw Data post-processing image options
- Automatic Optimization,
- Virtual Convex

- 3D multiplanar displays
- Advanced ergonomics
- 22 inch wide high resolution display (1920X1080) with articulation arm, motorized adjustable console
- 10.4 inch color LED touch screen
- Four active transducer ports with cable hook
- Multiple scanning modes
- Windows 7 embedded standard operation platform
- Min. 776 MB cine Memory
- 500 GB internal hard drive
- DVD-R image archive
- Gel warmer
- User footrest
- On-board black and white printer bay
- User programmable model parameters
- Comprehensive software annotation calculation and worksheets supporting obstetrical, gynecological, vascular and general imaging application.
- DICOM software package
- Thermal printer
- Digital Beamformer
- Displayed Imaging Depth: 0 – 36 cm
- Minimum Depth of Field: 0 – 2 cm (Zoom, probe dependent)
- Maximum Depth of Field: 0 – 36 cm (probe dependent)

Preferred Dimensions & Weight

- Height (adjustable) Maximum 1410 mm (55.5in), Minimum 1130mm (44.5 in)
- Width 585 mm (23in)
- Depth 830mm (32.8 in)
- Weight 140KG (309lbs)

Electrical Power

For equipment that will be used in the patient care vicinity, the resistance between the equipment chassis, or any exposed conductive surface of the equipment, and the ground pin of the attachment plug shall be less than .50 ohm. The leakage current flowing through the ground conductor of the power supply connection to ground of permanently wired equipment installed in general or critical care areas shall not exceed 10.mA (AC or DC) with all grounds lifted.

Equipment must comply with standards outlined in both National Fire Protection Association “Health Care Facilities” (NFPA- 99) standard and the latest edition of The Joint Commission “Comprehensive Accreditation Manual for Hospitals.”

Restrictive environmental conditions where applicable : If Applicable, Special ventilation requirements for “wet batteries”, added chemicals for “wet Batteries”, preclude the purchase of the “standard” battery option on any equipment requests due to added staff costs and lack of access to required fluids associated with them. Due to the outlined restrictive environmental conditions offers will not be consider if equipment contains lead acid batteries.

Standard Warranty Required: All products are required to be warranty free from defects in workmanship and materials, under normal use and conditions, for a period of one year from the date of delivery. During the warranty period, any defect in material or workmanship that requires repair or

exchange of a product of comparable nature will occur by seller without charge incurred by the VA. Such repair or replacement is subject to verification and approval by the VA due to Medical Center governing policies.

- VoltaGE 100 – 240 VAC
- Frequency 50/60 Hz
- Power Consumption maximum of 1.2 KVA with on-board peripherals; 0.7 KVA without peripherals

Procurement Training to include:

- 4 Day On-site Application Training