

**Delgado Community College
Purchasing Department
501 City Park Avenue, Bldg. 37
New Orleans, Louisiana 70119
(504) 762-3027**

Invitation to Bid

Bid Name:

R0021389 GE Logiq E10 Ultrasound System

Due By & To Be Opened On:

October 29th, 2020 at 2:00PM CST

Contact Person:

Adrienne Harris

Assistant Director Purchasing

(504) 762-3029

NAME OF COMPANY

ADDRESS

CITY, STATE, ZIP

PHONE NUMBER

FAX NUMBER

EMAIL

SIGNATURE OF COMPANY REPRESENTATIVE

NAME (PRINTED) & TITLE OF COMPANY REPRESENTATIVE

***** This form must be completed and submitted with your bid***

I. GENERAL INFORMATION

1. Any questions regarding this Invitation to Bid shall be in writing and shall be addressed to Adrienne Harris at the following address:

Delgado Community College
O'Keefe Administration Building
501 City Park Avenue, Building 37
New Orleans, La 70114-6222
Email: aharri@dcc.edu
Fax (504) 762-3089

Any additional information resulting from such inquiries shall be distributed to all bidders via addenda. The College will not be responsible for any other explanation of the documents.

Bids may be submitted by mail or in person. Mailed bids and hand carried bids shall go to the address in item #1. Hand carried bids are to be delivered to the attendant at the front desk. Do not leave Bid unattended. If bids are delivered via an express mail carrier, the bid name shall be on the outside of the packaging. Please note that express mail or USPS carriers may not deliver directly to 501 City Park Avenue. The bidder/proposer is solely responsible for ensuring that its courier service provider makes inside deliveries to 501 City Park Avenue.

3. Each bidder is solely responsible for the accuracy and completeness of its bid. Errors or omissions may be grounds for rejection, or may be interpreted in favor of the College.

4. Each bidder is solely responsible for the timely delivery of its bid. Delgado Community College will not be responsible for any delays in the delivery of bids, whether delayed in the mail, or for any reason whatsoever.

5. Only the issue of a purchase order or a signed acceptance of a proposal constitutes acceptance on the part of the College.

6. Assuming there is no prompt payment discount provision, payment will be made within 30 days from receipt of products in satisfactory condition, or within 30 days from receipt of invoice, whichever is later.

7. Proposer or bidder, contractor, etc. certifies, by signing and submitting a proposal for \$25,000 or more, that their company, any subcontractors, or principals are not suspended or debarred by the General Services Administration (GSA) in accordance with the requirements in OMB Circular A-133. (A list of parties who have been suspended or debarred can be viewed via the internet at www.epls.gov .)

II. BID FORM

R0015605 – GE Logiq E9 Ultrasound Machine

SCOPE OF WORK:

This project is for the procurement, installation, and set up of a GE Logiq E10 R2 Console Ultrasound Machine in the Diagnostic Medical sonography Program's Learning Lab at Delgado Community College's, Charity School of Nursing Campus located at 450 South Claiborne Avenue, New Orleans, LA 70112.

The above mentioned item must integrate with existing equipment, specifically the GE Viewpoint Computer Software System. This equipment will be used in the Diagnostic Medical Sonography Program for the purpose of training in-program Sonography Students. Due to the age of the present machines and new emerging technology, a new machine is required. The new machine being considered must have Elastography and Shear Wave Technology, B-Flow technology for vascular imaging, Logiq Exx UGAP, Real-time 4D, Power Assistant, Medical Grade UPS, and Warranty/Extended Warranty. The ultrasound system must include Ultralight Real time 4D Convex Array, L2-9-D XDclear Linear Array, ML6-15-D Matrix Linear Array, M5Sc-D XDclear Matrix Phased Array, L6-24 -D Linear Array, C1-6-D XDclear convex Array transducers. These are new technologies which now being utilized in the affiliate clinical settings.

The goal of this project will allow the ultrasound students to be introduced to and learn the latest technology offered in sonography. Through the introduction of this new technology, the students' skills will be enhanced and they will have a better understanding of Abdomen, OB/Gyn and Small Parts when they practice in the community clinics and hospitals.

This proposal also includes the process of networking and connecting the machine with the existing GE Viewpoint Computer Software currently in use in the DMS Learning Lab.

The successful bidder shall furnish and deliver, install, and setup the items listed below to the DMS Learning Lab at Delgado Community College's Charity School of Nursing Campus located at 450 South Claiborne Avenue, New Orleans, LA 70112.

Onsite training of faculty and students of the DMS Program on proper use of the equipment will be required. The vendor has stated in the bid this installation and training (on-site) will take approximately three (3) days to complete.

All equipment/items must be new – if not bids will not be accepted

LIST OF ITEMS:

No.	Qty	UOM	Item & Model/Part No	Model/Brand Bid	Unit Price	Total Price	Delivery ETA
1)	1	EA	LOGIQ E10 R2 Console for USA GE Part No: H4920UC				
2)	1	EA	M5Sc-D XDclear Matrix Phased Array Probe GE Part No: H44901AE				
3)	1	EA	L2-9-D-XDclear Linear Array Probe GE Part No: H44901AI				
4)	1	EA	ML6-15-D Matrix Linear Array Probe GE Part No: H40452LG				
5)	1	EA	L6-24-D Linear Array Probe GE Part No: H4920HF				
6)	1	EA	C1-6-D XDclear Convex Array Probe GE Part No: H40472LT				
7)	1	EA	RAB6-D Ultralight Real Time 4D Convex Linear Array Probe GE Part No: H48681MG				
8)	1	EA	LOGIQ Exx UGAP GE Part No: H4920U				
9)	1	EA	LOGIQ E10 Realtime 4D GE Part No: H4918D				
10)	1	EA	LOGIQ E10 Power Assistant GE Part No: H4918PA				
11)	1	EA	LOGIQ E10 Shear Wave Elastography GE Part No: H4918SW				

No.	Qty	UOM	Item & Model/Part No	Model/Brand Bid	Unit Price	Total Price	Delivery ETA
12)	1	EA	POWERVAR UL 60601-1 Medical Grade UPS, 120V (input only) GE Part No: H4913UP				
13)	1	EA	LOGIQ E10 Bon - Twin9 Probe Holder Insert GE Part No: H4918BT				
14)	1	EA	LOGIQ E9 Probe Holder Insert GE Part No: H4915				
15)	1	LOT	Warranty Extension GE Part No: SV_US_EXT_WARR				
16)	1	LOT	Annual ViewPoint Software Maintenance – Renewal GE Part No: H9993WS				
17)	1	LOT	ViewPoint Modality License Pro GE Part No: H47581UN				
18)	1	LOT	Installation, set up, integration with existing equipment. Three (3) days onsite clinical applications for the LE10; 4D-One (1) Day onsite clinical applications; Shear Wave Elastography – One (1) Day onsite clinical applications.				
19)	1	LOT	Shipping/Handling/Freight				

TOTAL AMOUNT BID FOR ITEMS, INCLUDING SHIPPING, CONTAINED IN THE BID: _____

NOTE: All shipping, handling, setup, or any other charges necessary for the provision and delivery of these goods and/or services must be included in your bid. The College will not pay for any charges invoiced other than the unit price as stated on the bid.

By signing below, the Vendor/Contractor agrees that he/she complies with all specifications, bid requirements and special conditions as stated in the bid and has reviewed and received all addenda if applicable.

Signature _____

Title _____

Company _____

****Bid must be submitted on this form***

III. SPECIAL CONDITIONS

1. Delgado Community College of the State of Louisiana is an equal opportunity employer and looks to its contractors, subcontractors, vendors, and suppliers to take affirmative action to effect this commitment in its operations.

All bids must be submitted on the form(s) furnished for this purpose and must be filled out in ink or typewritten and signed in ink. Do not erase, correct, or write over any prices or figures necessary for the completion of this bid proposal. If any corrections are necessary, each must be initialed by bidder. Failure to comply with these requirements may cause your bid to be disqualified.

A response to a bid invitation is our only indication of your interest in college business. Failure to respond to six (6) consecutive bid invitations may cause your name to be removed from the bidders' list.

Effective September 1, 1991, in accordance with Act 1029 of the 1991 Regular Legislative Session, Delgado Community College will not be responsible for any sales tax, either state or local.

Effective August 15, 1997, in accordance with L.R.S. 39:1594 (Act 121), the person signing the bid must be:

- a) A current corporate officer, partnership member or other individual specifically authorized to submit a bid as reflected in the appropriate records on file with the Secretary of State; or
- b) An individual authorized to bind the vendor as reflected by an accompanying corporate resolution, certificate, or affidavit.

By signing the bid, the bidder certifies compliance with the above.

All deliveries shall be made FOB Destination to the College unless otherwise specified by the College. All freight charges are to be clearly stated on the bid form. The College will not be responsible for freight charges not clearly stated as a part of this bid.

Delgado Community College reserves the right to reject any and all bids and to waive any informality.

It shall be distinctly agreed and understood that the price quoted must be a firm price, and not be subject to change at time of the shipment of goods or delivery of services.

2. All items delivered shall be subject to inspection as to grade and/or quality. If any item is inspected and fails to meet the specifications, the delivery already made will be held for the Vendor's disposition or returned to the Vendor via Freight Collect. If the Vendor fails to make satisfactory replacement within a reasonable time as determined by the College, the College reserves the right to cancel the item and to purchase it elsewhere.
3. If item(s) or services bid do not fully comply with specifications, including brand and/or product number, bidder must state in what respect the item(s)/services deviate. Failure to note exceptions on the bid form will not relieve the successful bidder from supplying the actual products or services requested.
4. The College reserves the right to award the above items separately, grouped, or on an all-or-none basis, and to reject any or all bids and to waive any informalities including technicalities in specifications that preclude competition.

5. The requested equipment is proprietary and must work in conjunction with existing GE equipment. Equipment must integrate specifically with the GE Viewpoint Computer Software System and GE Transducers.
6. Bids must be sealed with the **Bidder's name, along with the name and number of the bid clearly written on the front of the envelope** and are to be delivered to the person and location in Section I, General Information by the date and time stated on the title page. Bids received without this information or after the due date and time will be automatically disqualified.

In accordance with R.S. 37:2163A, Contractors' License number in the appropriate classification(s) must appear on the bid envelope submitted on all projects in the amount of \$50,000 or more (and \$1.00 or more if hazardous materials are involved).

7. Any questions arising from either the specifications and/or jobsite visit must be addressed in writing and will be answered via an Addendum. All questions must be submitted no later than **October 23rd, 2020 by 12:00PM CST**. Questions may be emailed to aharri@dcc.edu. A final 48-hour period after the issuance of the Addendum will be granted for questions which are directly related only to the answers provided in the Addendum. All addenda must be acknowledged by the bidder with the bid.

No addenda will be issued within a period of seventy-two (72) hours prior to the date set for the receipt of bids except an Addendum, if necessary, postponing the date of receipt of bids or cancelling the request for bids. All addenda must be acknowledged by the bidder and submitted with the bid. Failure to do so will cause the bid to be rejected.

Bid Documents and Addenda may be downloaded from;
<https://wwwcfprd.doa.louisiana.gov/osp/lapac/dspBid.cfm?search=department&term=39>

8. The above quantities are estimated to be the amounts needed. In the event a greater or lesser quantity is needed, the right is reserved by the College to increase or decrease the amount at the unit price stated in the bid.
9. In the event a greater quantity is needed, the right is reserved by the College to increase the amount, at the unit price stated in the bid, for six (6) months from the date of award.
10. If the Vendor fails to make delivery within a satisfactory time as determined by the College, the College reserves the right to cancel the item and to purchase it elsewhere, charging the increase in price and cost of handling, if any, to the Vendor making the original unsatisfactory or late delivery.
11. Discounts for less than 1% and for less than thirty (30) days will not be considered in making awards.
12. NOTE: If, upon visiting site, Vendor finds conditions that disagree with the physical layout as described in this bid, or other features of the specifications that appear to be in error, same shall be noted in your bid. Otherwise it will be interpreted that you are quoting as specified.
13. Bid openings are subject to any in place Executive Order or revised statute as it pertains to the current pandemic.
14. No information will be given out as to opinions concerning the ultimate outcome while consideration of the award is in progress.

15. The college reserves the right to cancel this contract upon thirty (30) days written notice for failure of the Vendor to deliver on time, for delivery of unsatisfactory merchandise, or for any unsatisfactory performance by the Vendor as determined by the College.
16. Successful bidder will furnish written factory instructions for the operation and maintenance of the equipment purchased.
17. Successful bidder will be responsible for the unloading and placing of equipment and/or supplies in the location designated by the College.
18. Successful bidder will furnish a representative to demonstrate the operation and maintenance of the equipment.
19. In case of default by the Vendor, the College reserves the right to purchase any or all items in default on the open market, charging Vendor with any excessive costs. Should such charge(s) be assessed, no subsequent bids of the defaulting Vendor will be considered until the assessed charge(s) have been satisfied.
20. List of distributors: The Vendor signing the bid shall be designated as the Prime Vendor on any contract/agreement resulting from this bid. If additional Vendors are authorized to receive orders for items covered under this proposal, the Vendor must submit, with bid, a list of those additional authorized distributors.
21. Delivery is of the essence and the College reserves the right to award to that Vendor providing the earliest delivery date. The College also reserves the right to reject any Vendor who cannot make delivery within forty-five (45) days from the date of award.
22. Vendors are advised that all hazardous products must be accompanied by a "Hazardous Materials Data Sheet". This sheet must also include suggested antidotes for ingestion and other contact.
23. Items furnished shall be delivered to the College, uncrated, set in place, installed (if requested), and all debris removed by the Vendor.
24. Scope of Work: work shall include all labor, materials, and services required to produce a completed repair/installation which is acceptable to the College.
25. Bidder must be able to provide a project timeline if requested by Delgado Community College.
26. Vendor compliance with the attached insurance and indemnification requirements is mandatory. A completed copy of the **indemnification agreement** must be submitted with the bid. Failure to do so will result in immediate disqualification of the bid. Upon award, a certificate of insurance must be submitted to Delgado Community College, delineating Delgado Community College as the certificate holder prior to the commencement of any work.
27. Final Clean-Up: Before this project is acceptable and complete, Vendor shall clean up and remove from the premises all debris resulting from his work, and shall see to it that all the materials furnished are left in good order, clean, and properly installed.

**** End of Special Conditions**

IV. INSURANCE REQUIREMENTS FOR VENDORS

The Contractor/Vendor shall purchase and maintain for the duration of the contract/work insurance against claims for injuries to persons or damages to property which may arise from or in connection with the performance of the work hereunder by the Contractor/Vendor, its agents, representatives, employees or subcontractors.

A. MINIMUM SCOPE AND LIMITS OF INSURANCE

1. Workers Compensation

Workers Compensation insurance shall be in compliance with the Workers Compensations law of the State of Louisiana. Employers Liability is included with a minimum limit of \$500,000 per accident/per disaster/per employee. If work is to be performed over water and involves maritime exposure, applicable LHWCA, Jones Act, or other maritime law coverage shall be included and the Employers Liability increased to a minimum of \$1,000,000.

2. Commercial General Liability

Commercial General Liability insurance, including Personal and Advertising Injury Liability, shall have a minimum limit per occurrence of \$1,000,000 and a minimum general aggregate of \$2,000,000. The Insurance Services office (ISO) Commercial General Liability occurrence coverage form CG 00 01 (current form approved for use in Louisiana), or equivalent, is to be used in the policy. Claims made form is unacceptable.

3. Automobile Liability

Automobile Liability Insurance shall have a minimum combined single limit per occurrence of \$1,000,000. ISO form number CA 00 01 (current form approved for use in Louisiana), or equivalent, is to be used in the policy. This insurance shall include third-party bodily injury and property damage liability for owned, hired and non-owned automobiles.

B. DEDUCTIBLES AND SELF-INSURED RETENTIONS

Any deductibles or self-insured retentions must be declared to and accepted by the Agency. The Contractor/Vendor shall be responsible for all deductibles and self-insured retentions.

C. OTHER INSURANCE PROVISIONS

The policies are to contain, or be endorsed to contain the following provisions:

1. General Liability and Automobile Liability Coverage's

- a. The Agency, its officers, agents, employees and volunteers shall be named as an additional insured as regards to negligence by the contractor/vendor. ISO Form CG 20 10 (current form approved for use on Louisiana), or equivalent, is to be used when applicable. The coverage shall contain no special limitations on the scope of protection to the Agency.
- b. The Contractor's/Vendor's insurance shall be primary as respects to the Agency, its officers, agents, employees and volunteers. Any insurance or self-insurance maintained by the Agency shall be excess and non-contributory of the Contractor's insurance.
- c. The Contractor's/Vendor's insurance shall apply separately to each insured against whom claim is made or suit brought, except with respect to the policy limits.

2. Workers Compensation and Employers Liability Coverage

The insurer shall agree to waive all rights of subrogation against the Agency, its officers, agents, employees and volunteers for losses arising from work performed by the Contractor for the Agency.

3. All Coverages

- a. Coverage/Vendor shall not be cancelled, suspended, or violated by either party (the Contractor/Vendor or the insurer) or reduced in coverage or in limits except after 30 days written notice has been given to the Agency. Ten-day written notice of cancellation is acceptable for non-payment of premium. Notifications shall comply with the standard cancellation provisions in the Contractor's/Vendor's policy.
- b. Neither the acceptance of the completed work nor the payment thereof shall release the Contractor/Vendor from the obligations of the insurance requirements or the indemnification agreement.
- c. The insurance companies issuing the policies shall have no recourse against the Agency for payment of premiums or for assessments under any form of the policies.
- d. Any failure of the Contractor/Vendor to comply with reporting provisions of the policy shall not affect coverage provided to the Agency, its officers, agents, employees and volunteers.

D. ACCEPTABILITY OF INSURERS

All required insurance shall be provided by a company or companies lawfully authorized to do business in the jurisdiction in which the Project is located. Insurance shall be placed with insurers with an A.M. Best's rating of **A-: VI or higher**. This rating requirement may be waived for workers compensations only.

If at any time an insurer issuing any such policy does not meet the minimum A.M Best rating, the Contractor/Vendor shall obtain a policy with an insurer that meets the A.M Best rating and shall submit another Certificate of Insurance as required in the contract.

E. VERIFICATION OF COVERAGE

Contractor/Vendor shall furnish the Agency with Certificates of Insurance reflecting proof of required coverage. The Certificates for each insurance policy are to be signed by a person authorized by that insurer to bind coverage on its behalf. The Certificates are to be received and approved by the Agency before work commences and upon any contract renewal thereafter.

In addition to the Certificates, Contractor/Vendor shall submit the declarations page and cancellation provision endorsement for each insurance policy. The Agency reserves the right to request complete certified copies of all required insurance policies at any time.

Upon failure of the Contractor/Vendor to furnish, deliver and maintain such insurance as above provided, this contract, at the election of the Agency, may be suspended, discontinued or terminated. Failure of the Contractor/Vendor to purchase and/or maintain any required insurance shall not relieve the Contractor/Vendor from any liability or indemnification under the contract.

F. SUBCONTRACTORS

Contractor/Vendor shall include all subcontractors and as insureds under its policies OR shall be responsible for verifying and maintaining the Certificates provided by each subcontractor. Subcontractors shall be subject to all of the requirements stated herein. The Agency reserves the right to request copies of subcontractor's Certificates at any time.

G. WORKERS COMPENSATION INDEMNITY

In the event the Contractor/Vendor is not required to provide or elects not to provide workers compensation coverage, the parties hereby agree that Contractor/Vendor, its owners, agents and employees will have no cause of action against, and it will not assert a claim against the State of Louisiana, its departments, agencies, agents and employer, whether pursuant to the Louisiana Workers Compensation Act, or otherwise under any circumstance. The parties also hereby agree that the State of Louisiana, its departments, agencies, agents, and employees shall in no circumstance be, or considered as, the employer or statutory employer of the Contractor/Vendor, its owners, agents and employees. The parties further agree that the Contractor/Vendor is a wholly independent contractor and is exclusively responsible for its employees,

owners, and agents. Contractor/Vendor hereby agrees to protect, defend, indemnify and hold the State of Louisiana, its departments, agencies, agents and employees harmless from any such assertion or claim that may arise from the performance of this contract.

H. INDEMNIFICATION/HOLD HARMLESS AGREEMENT

Contractor/Vendor agrees to protect, defend, indemnify, save and hold harmless, the State of Louisiana, all State Departments, Agencies, Boards and Commissions, its officers, agents servants, employees and volunteers, from and against any and all claims, damages, expenses, and liability arising out of injury or death to any person or the damage, loss or destruction of any property which may occur, or in any way grow out of, any act or omission of the Contractor/Vendor, its agents, servants, and employees, or any and all costs, expenses and/or attorney fees incurred by the Contractor/Vendor as a result of any claims, demands, suits or causes of action, except those claims, demands suits, or causes of action arising out of the negligence of the State of Louisiana, all State Departments, Agencies, Boards, Commissions, its officers, agents, servants, employees and volunteers.

Contractor/Vendor agrees to investigate, handle, respond to, provide defense for and defend any such claims, demands, suits, or causes of action at its sole expense and agrees to bear all other costs and expenses related thereto, even if the claims, demands, suits, or causes of action are groundless, false or fraudulent.

Accepted By:

Company Name

Signature

Title

Date Accepted

Is certificate of insurance attached? _____ YES _____ NO

*****This form must be completed and submitted with your bid***

V. SPECIFICATIONS

1. User Interface & Ergonomics

- 1.1. The premium system must be physically small –it is preferred the system has a height no more than 1300mm, width of no more than 900.9mm, and a depth of no more than 830mm and weigh less than 278 lbs.
- 1.2. The keyboard and monitor shall allow for “float” to minimize repetitive stress issues with users. The float shall consist of adjustable motor driven height, adjustable rotation and adjustable extension from the main console.
- 1.3. The system shall have a sealed full querty keyboard physically located on top of the console for easy access, not underneath, not on a touch screen or a pull-out.
- 1.4. The system shall include a 22” OLED monitor with 1920x1080 resolution to allow for excellent image viewing as well as providing for workflow and productivity features.
- 1.5. The monitor shall tilt and rotate independent of console to provide maximum usability.
- 1.6. The monitor shall be mounted on an articulating arm that moves side-to-side, forward and backward.
- 1.7. The TGC shall be digital, not physical and accessible on the touch-screen LCD
- 1.8. The unit shall have an integrated gel warmer for the comfort of patients
- 1.9. Gel warmer shall be able to be mounted on either the left or the right side depending on the user’s preference
- 1.10. The system shall include a touch-screen LCD with context sensitive menus to facilitate productivity as well as minimize training requirements.
- 1.11. The system shall have at least four active probe ports in a convenient, easy to access location to maximize the availability of needed probes and two parking ports.
- 1.12. The system shall have integrated and easy to use transducer cable holders to prevent cables from dragging or entangling on the ground.
- 1.13. The system shall have integrated mounting for at least a printer and an integrated DVD-R Multi Drive rather than the peripherals mounted on the top or back of the system.
- 1.14. The system shall have a keyboard/button lock feature allowing the user to lock the feature buttons and wipe down the system without activating the features.

2. Productivity

- 2.1. System shall allow for customizable report pages with institution name and logo.
- 2.2. System shall have the capability to quickly and efficiently back up data on U/S system with appropriate data tags.
- 2.3. In addition to imaging presets, the system shall provide a one-button Automatic Optimization feature that automatically optimizes imaging parameters based on the actual image data. This feature shall operate in B-mode, including with CrossXBeam on and PW Doppler modes.
- 2.4. The system shall offer the ability to display convex field-of-view on ALL linear and sector transducers for increased productivity.
- 2.5. The system shall offer an extended field-of-view imaging that operates by sweeping a transducer over the anatomy of interest. This mode shall build the extended field-of-view in a real-time manner, showing the image as it builds.
- 2.6. The system shall offer CrossXBeam (spatial compounding) when in PW, Color Doppler and in virtual convex field of view mode and

The system shall possess the ability to control speckle through the use of a speckle reduction (SRI) algorithm that enhances borders, reduces speckle artifact and improves detail and contrast resolution in gray scale with compatibility in Color mode, 3D and side-by-side display. This feature shall have operator selectable settings and be capable of displaying in side-by-side mode with non-speckle reduced image.
- 2.7. System shall have image management features that store images by patient and include the ability to review images from different exam dates.
- 2.8. System shall support the ability to store digital raw data that allows optimization of imaging parameters such as B Gain, TGC, Color Gain, Dynamic Range, Speckle Reduction levels, Doppler Gain, and Doppler Base Line on images recalled from the image archive.
- 2.9. System shall allow for live image and archive images side-by-side or quad display on a single monitor. This display shall allow any type of image; B-Mode, Color, or power Doppler on either side.
- 2.10. The system shall allow a DualView (side by side) in both live and archived images for CrossXBeam imaging, displaying the both the compounded and non-compounded image.
- 2.11. The system shall have programmable, context sensitive menus, to allow for a customized workflow.

- 2.12. The system shall have query retrieve allowing the user to retrieve previous ultrasound studies, CT, MRI, Digital Mammo and PET/CT as well as these study types to be pushed to the ultrasound system from a server.
- 2.13. The system shall have a feature allowing the user to directly compare the current study to a patient's previous study in a side-by-side view for direct comparison to the previous study and mimics the 2D, Color, and PW parameters from the previous study.
- 2.14. The system shall have an integrated battery back-up allowing the user to move the system from room to room without rebooting the system.
- 2.15. The system shall have mounted storage bins.

3. Workflow

- 3.1. The system shall include a feature that streamlines workflow. In particular the system should automatically invoke the correct mode and imaging parameters and advance to the next step within the examination with a one-button operation.
- 3.2. It is preferred the system support scanheads from our existing LOGIQ E9 ultrasound system.
- 3.3. The system shall allow for programming of the protocols directly on the system as well as via an off-line software tool.

4. 3D/4D Imaging

- 4.1. The system shall provide standard, integrated 3D capability on all transducers without the need for additional processing equipment.
- 4.2. The system shall be capable of constructing a 3D model from a CINE loop to allow for increase productivity from improved workflow.
- 4.3. The 3D images shall be stored with "raw-data" to allow archived images to be post-processed – i.e., allow the user to adjust overall B-mode gain, dynamic range and gray scale maps from a stored image.
- 4.4. The system shall support 4D Volume Imaging software to run the requested 4D Volume Scanheads

5. Shear Wave Elastography (SWE), Strain Elastography, Steatosis Measurements

- 5.1 The system shall support SWE on at least one curved scanhead
- 5.2 The system shall support SWE on at least one linear scanhead
- 5.3 The SWE shall include a reporting package to include basic results in kPa and MPS as well as automated mean and Interquartile Ratio results

5.4 The SWE feature shall provide an indicator box (2D Color Coded Elastogram) allowing the user to decide if the sample is good before using

5.5 Strain Elastography using manual compression for multiple applications should be included

5.6 Shear Wave Elastography results should be able to be obtained from a stored Shear Wave Study allowing the user to obtain the SWE calculations from a stored image.

5.7 The system shall have quantifiable steatosis measurement tool to aid in early identification of steatosis.

6. Raw Data Processing.

6.1. The system shall allow for post-storage image manipulation to provide maximum image flexibility, review and productivity. It shall include, at a minimum the ability to change the:

- Overall B-Mode gain, dynamic range and gray scale maps.
- Overall Doppler gain, base line shift, sweep speed and inverted spectral waveform.
- 3D reconstruction from a stored 2D CINE-loop.
- Anatomical M-Mode

6.2. The system shall provide a display zoom function on frozen images

6.3. The system shall allow the user to change the patient date and medical record number after the study has been sent to PACS in the event the wrong patient was selected from the Worklist. Patient Name and MRN will be corrected on all images stored.

The system shall allow the user to anonymize the patient data on images/studies for storage and classwork

7. B-Mode/ M-Mode Imaging

7.1. The system shall provide the capability for coded tissue harmonic imaging on all offered transducers.

7.2. The system shall provide user selectable levels of frame averaging or persistence for noise reduction.

7.3. The system shall provide user control over the displayed dynamic range.

7.4. The system shall provide selectable levels of edge enhancement.

- 7.5. The system shall provide the user with user-selectable gray scale maps and the ability to program and save user programmable maps.
- 7.6. The system shall have an “anatomical” M-Mode – allowing the M-Mode cursor to be adjustable in any plane and allow for accurate measurements. The M-mode shall be available from a CINE loop or live image.
- 7.7. The system shall have B-Steer in Compound Imaging for better needle visualization during biopsy procedures
- 7.8. The system shall have Quad Screen for AFI measurements

8. Color flow/Power Doppler

- 8.1. Color flow/Power Doppler shall be available for all probes.
- 8.2. The system shall provide a real-time triplex mode (B + PW/CFM/PW).
- 8.3. The system shall provide B-Mode Flow Imaging allowing the user to directly visualize red blood cell reflectors with no color box as this is not “color”.
- 8.4. The system shall provide B-Mode Flow Imaging fused with Color Flow Imaging for better color sensitivity.
- 8.5. The system shall provide a microvascular imaging mode for better color sensitivity.
- 8.6. The system shall have a feature that automatically angles the color box correctly and angles the doppler correctly with the press of one button.

9. Spectral Doppler (PW)

- 9.1. Doppler mode shall be available on all probes.
- 9.2. The system shall provide stereo audio of the Doppler spectral signal.
- 9.3. The system shall provide the user with an angle correct of at least $\pm 0-80^\circ$ in 1° increment.
- 9.4. The system shall provide a high pulse repetition frequency (HPRF) mode.

10. Measurements and Calculations

- 10.1. The system shall provide digital calipers for at least the following measurements:
 - Depth & Distance
 - Circumference
 - Area
 - Volume

- Velocity
 - Time
 - Echo Level / Intensity
- 10.2. All measurements should be possible on frozen images as well as on images recalled from the image archive.
- 10.3. The system shall have a feature that automatically measures the standard OB measurements to include BPD, HC, AC, FL.

11. Image Archive and Networking

- 11.1. The device should store images onto an integrated, on-board DVD-R Multi-drive and a USB port storage device.
- 11.2. The device should store images in DICOM, JPG, WMV and AVI formats for maximum flexibility.
- 11.3. The system shall allow a re-ordering or images capability for a stored study
- 11.4. The system shall support wireless networking
- 11.5. The system shall include a Galaxy pad device (Minimum requirement is the pad must be able to download applications from the Apple Store) allowing the School to download applications to the pad and pair with the ultrasound system.

12. DICOM Connectivity

- 12.1. The system shall support as an option the following DICOM service classes:
- Print (SCU) Basic gray scale and color scale
 - Modality Worklist (SCU)
 - Multi-Frame (SCU)
 - On Board Query/Retrieve
 - DICOM SR - Structured Reporting (Abdominal and Small Parts)
 - DICOM SR - Structured Reporting (Vascular and OB)
- 12.2. The system shall support sending of image data to multiple DICOM destination devices with a single keystroke.

12.3. The system shall support DICOM operations in the background while the system is being used for scanning so users at a workstation may view the images already taken for this exam.

12.4. The system shall operate on WINDOWS 10 OS

13. Transducers

13.1. Transducers shall be available with multiple rows of elements (Matrix Array) that provide precise slice thickness control throughout the field of view. These transducers minimize mass averaging in the near and far fields.

13.2. The system shall allow the user to select from multiple frequency bands on all transducers. These frequencies are to be displayed on the monitor for teaching purposes.

13.3. The transducers shall operate at frequencies from a minimum of at least 1MHz to a maximum of at least 24MHz.

13.4. An endocavitary transducer shall be available with an end fire design and at least 145 degrees field of view.

13.5. The transducers shall employ tactile reference to assure proper orientation.

13.6. It is preferred the probes be compatible with the existing LOGIQ E9 system in the lab

13.7. Requested Transducers

- Convex, Operating Frequency: 2 - 6 MHz
- Sector, Operating Frequency: 2-6 MHz
- Linear, Operating Frequency: 2 – 8 MHz
- Matrix Array Linear, 1000 Processing Channels, operating Frequency: 4 – 13 MHz
- Convex, Volume Imaging (Real-Time 4D and Multiplanar Imaging) 2 – 8 MHz
- Linear, Volume Imaging (Real-Time 4D and Multiplanar Imaging) 5 – 17 MHz

14. Service

14.1. The system shall include a minimum 12-Month warranty to include parts, labor and transducers during normal working hours plus an additional 12-months of service

14.2. The warranty shall include on-line support with via a Toll Free Number

15. Other

15.1 The proposal shall include an uninterrupted power supply (UPS)

POWERVAR UL 60601-1 Medical Grade UPS 120VAC 60 Hz or equivalent

15.2 The proposal shall include one concurrent licenses allowing the user to create, review, or edit exams within the existing ViewPoint system, Delgado's current reporting and clinical system.

15.3 The proposal shall include a 12-Month ViewPoint Software Maintenance Agreement for the school's existing ViewPoint reporting and image storage system with access to on-line and phone support. Bidder must have capability to log into current ViewPoint system remotely for updates, troubleshooting and servicing during the 12-month period.

15.4 The proposal shall include a minimum of 5 on-site clinical applications/training days

END OF BID DOCUMENTS