NC DEPARTMENT OF
HEALTH AND HUMAN SERVICES

ROY COOPER • Governor
MANDY COHEN, MD, MPH • Secretary
MARK PAYNE • Director, Division of Health Service Regulation

January 8, 2020

Tim Ludwig
2000 Neuse Blvd.
P.O. Box 12157
New Bern, NC 28561

Exempt from Review – Replacement Equipment

Record #:	**3177**
Facility Name:	CarolinaEast Medical Center
FID #:	923126
Business Name:	CarolinaEast Health System
Business #:	2722
Project Description:	Replace existing PET/CT Equipment
County:	Craven

Dear Mr. Ludwig:

The Healthcare Planning and Certificate of Need Section, Division of Health Service Regulation (Agency), determined that based on your letter of December 18, 2019, the above referenced proposal is exempt from certificate of need review in accordance with N.C. Gen. Stat. §131E-184(a)(7). Therefore, you may proceed to acquire without a certificate of need the GE Discovery IQ PET/CT Scanner to replace the GE Discovery ST PET/CT Scanner serial #05939/4553PT4. This determination is based on your representations that the existing unit will be sold or otherwise disposed of and will not be used again in the State without first obtaining a certificate of need if one is required.

Moreover, you need to contact the Agency's Construction, Radiation Protection and Acute and Home Care Licensure and Certification Sections, DHSR to determine if they have any requirements for development of the proposed project.

It should be noted that the Agency's position is based solely on the facts represented by you and that any change in facts as represented would require further consideration by this office and a separate determination. If you have any questions concerning this matter, please feel free to contact this office.

Sincerely,

Gregory F. Yakaboski
Project Analyst

Martha J. Frisone
Chief

cc: Construction Section, DHSR
Radiation Protection Section, DHSR
Acute and Home Care Licensure and Certification Section, DHSR

Waller, Martha K

From: DeeDee Murphy <DeeDeeMurphy@ascendient.com>
Sent: Thursday, December 19, 2019 1:46 PM
To: Tanya, Saporito
Cc: Waller, Martha K; Daniel Carter
Subject: [External] Exemption Request - CarolinaEast Medical Center - Replace Existing PET/CT Equipment Under $2 Million
Attachments: Request for Exemption from Review to Replace Existing PET CT Equipment Under 2M.pdf

Tanya –

I hope you are doing well!

Please find an Exemption Request from CarolinaEast Medical Center (CEMC) attached for your review. Please accept the attached Exemption Request as prior written notification of CEMC's intent to replace existing PET/CT equipment under $2 million pursuant to N.C. Gen. Stat. § 131E-184(a)(7).

Should you require any additional information, please do not hesitate to let me know.

Thank you!
DeeDee

DeeDee Murphy | MANAGING CONSULTANT
deedeemurphy@ascendient.com | 919.226.1708 | LinkedIn | www.ascendient.com

ASCENDIENT

HIGHER THINKING FOR HEALTHCARE MANAGEMENT

CAROLINAEAST
HEALTH SYSTEM

CarolinaEast Medical Center
CarolinaEast Diagnostic Center
CarolinaEast Surgery Center
CarolinaEast Rehabilitation Hospital
CarolinaEast Heart Center
CarolinaEast Urology Center
CarolinaEast Internal Medicine
CarolinaEast Pediatrics
CarolinaEast Gastroenterology
CarolinaEast Cardiac, Thoracic & Vascular Surgery
CarolinaEast Ear, Nose & Throat
CarolinaEast Radiation Oncology
CarolinaEast Physical Medicine & Rehabilitation
CarolinaEast Home Care
CarolinaEast Foundation
CarolinaEast Wound Healing & Hyperbaric Services
Crossroads Mental Health

December 18, 2019

Ms. Martha J. Frisone, Chief
Healthcare Planning and Certificate of Need Section
Division of Health Service Regulation, NC DHHS
2704 Mail Service Center
Raleigh, NC 27699-2704

RE: Request for Exemption from Review to Replace Existing PET/CT Equipment Under $2,000,000
Facility Name: CarolinaEast Medical Center
FID #: 923126
Business Name: CarolinaEast Health System
Business #: 2722
County: Craven

Dear Ms. Frisone:

Please accept this letter as notification of CarolinaEast Medical Center's (CEMC's) intent to replace an existing unit of PET/CT equipment for a total cost less than $2,000,000 pursuant to N.C. Gen. Stat. § 131E-184(a)(7) and 10A NCAC 14C .0303.

Under N.C. Gen. Stat. § 131E-184(a)(7), the CON law provides that an applicant's proposal "[t]o provide replacement equipment" is exempt from Certificate of Need review if the Department receives prior written notice from the entity proposing the new institutional health service, including an explanation of why the new institutional health service is required. Replacement equipment is defined in the CON law under N.C. Gen. Stat. § 131E-176(22a) as:

> "equipment that costs less than two million dollars ($2,000,000) and is purchased for the sole purpose of replacing comparable medical equipment currently in use which will be sold or otherwise disposed of when replaced. In determining whether the replacement equipment costs less than two million dollars ($2,000,000), the costs of equipment, studies, surveys, designs, plans, working drawings, specifications, construction, installation, and other activities essential to acquiring and making operational the replacement equipment shall be included. The capital expenditure for the equipment shall be deemed to be the fair market value of the equipment or the cost of the equipment, whichever is greater."

As set forth below, CEMC's proposed equipment replacement meets the definition of replacement equipment and is exempt from Certificate of Need review.

CEMC seeks to acquire a GE Healthcare Discovery IQ PET/CT scanner (Replacement Equipment) to replace CEMC's existing GE Healthcare Discovery ST PET/CT scanner (Existing Equipment). The proposed replacement is needed as the Existing Equipment, which has been in operation since it was originally installed in 2003, is beyond its useful life. A completed Equipment Comparison Form is included in Attachment 1. The Replacement Equipment is functionally

similar to the Existing Equipment and will be used for the same diagnostic and treatment purposes, although the Replacement Equipment will possess expanded capabilities given technological advancements. The proposed Replacement Equipment will not be used to provide a new health service and will not result in more than a 10 percent increase in patient charges or per procedure operating expenses within the first 12 months after it is acquired. Further, as documented in Attachment 2, the Existing Equipment will be removed from North Carolina by the vendor and CEMC will not own or use the Existing Equipment after its replacement.

The total proposed capital cost for the proposed equipment replacement, including all costs associated with equipment, studies, surveys, designs, plans, working drawings, specifications, construction, installation, and other activities essential to acquiring and making the Replacement Equipment operational, is $1,482,866.69. The total capital cost includes the cost of the Replacement Equipment ($1,378,479.19) as well as the cost of software applications for the proposed Replacement Equipment ($104,387.50). Attachment 3 contains a Quote for the proposed Replacement Equipment, a Quote for software applications for the proposed Replacement Equipment, and a copy of an email from GE Healthcare (Nick Bengel) indicating that the Replacement Equipment Quote and the Software Quote will remain valid until a purchase order is issued. Of note, the Existing Equipment was part of a previously approved Exemption Request dated October 3, 2017 to expand CEMC through the construction of a one-story, 29,154 square foot expansion to house existing medical diagnostic equipment (Diagnostic Center Project). Costs associated with construction and upfit of space necessary to house the Existing Equipment in the expansion were accounted for in the previously approved Diagnostic Center Project Exemption Request. As such, the total capital cost for the proposed equipment replacement does not include costs associated with construction or upfit of space in the hospital as the proposed equipment replacement will not require any additional construction or upfit of space beyond that which was previously approved.

As outlined above and illustrated in the Attachments, the proposed Replacement Equipment qualifies as replacement equipment pursuant to regulatory and statutory definitions (N.C. Gen. Stat. § 131E-176(22a) and 10A NCAC 14C .0303). As such, the proposed project is exempt from Certificate of Need review pursuant to N.C. Gen. Stat. § 131E-184(a)(7).

If you could, please confirm that you agree with our understanding that the proposed Replacement Equipment is exempt from Certificate of Need review. Please do not hesitate to contact me if any additional information is needed.

Sincerely,

Tim Ludwig
Vice President, Ancillary Services
CarolinaEast Health System

Attachment 1 – Equipment Comparison Form
Attachment 2 – Letter Re: Removal of Existing Equipment
Attachment 3 – Replacement Equipment Quote

Attachment 1

EQUIPMENT COMPARISON FORM

	EXISTING EQUIPMENT	***REPLACEMENT EQUIPMENT***
Type of Equipment (List Each Component)	PET/CT Scanner	PET/CT Scanner
Manufacturer of Equipment	GE	GE
Tesla Rating for MRIs	NA	NA
Model Number	Discovery ST	Discovery IQ
Serial Number	05939/4553PT4	TBD
Provider's Method of Identifying Equipment	Asset # 60177	Asset # TBD
Specify if Mobile or Fixed	Fixed	Fixed
Mobile Trailer Serial Number/VIN #	NA	NA
Mobile Tractor Serial Number/VIN #	NA	NA
Date of Acquisition of Each Component	December 19, 2003	TBD
Does Provider Hold Title to Equipment or Have a Capital Lease?	Hold Title	Will Hold Title
Specify if Equipment Was/Is New or Used When Acquired	New	New
Total Capital Cost of Project (Including Construction, etc.)	$2,367,377	$1,482,866.69
Total Cost of Equipment	$2,042,617	$1,482,866.69
Fair Market Value of Equipment		$1,482,866.69
Net Purchase Price of Equipment		$1,482,866.69
Locations Where Operated	CarolinaEast Medical Center	CarolinaEast Medical Center
Number Days In Use/To be Used in N.C. Per Year	365	365
Percent of Change in Patient Charges (by Procedure)	NA	0%
Percent of Change in Per Procedure Operating Expenses (by Procedure)	NA	<10%
Type of Procedures Currently Performed on Existing Equipment	PET/CT	NA
Type of Procedures New Equipment is Capable of Performing	NA	PET/CT

Attachment 2
LETTER RE: REMOVAL OF EXISTING EQUIPMENT

[attached]

CAROLINAEAST
HEALTH SYSTEM

CarolinaEast Medical Center
CarolinaEast Diagnostic Center
CarolinaEast Surgery Center
CarolinaEast Rehabilitation Hospital
CarolinaEast Heart Center
CarolinaEast Urology Center
CarolinaEast Internal Medicine
CarolinaEast Pediatrics
CarolinaEast Gastroenterology
CarolinaEast Cardiac, Thoracic & Vascular Surgery
CarolinaEast Ear, Nose & Throat
CarolinaEast Radiation Oncology
CarolinaEast Physical Medicine & Rehabilitation
CarolinaEast Home Care
CarolinaEast Foundation
CarolinaEast Wound Healing & Hyperbaric Services
Crossroads Mental Health

December 15, 2019

Ms. Martha Frisone, Chief
Certificate of Need Section
Division of Health Service Regulation
2704 Mail Service Center
Raleigh, NC 27699-2704

Dear Ms. Frisone:

CarolinaEast Medical Center (CEMC) currently owns and operates a GE Discovery ST PET/CT scanner that has been in operation continuously at CEMC since it was originally acquired in 2003. The existing equipment has not been taken out of service since originally installed in 2003, except on a temporary basis as needed for repairs.

CEMC proposes to replace the existing equipment with a new GE Discovery IQ PET/CT scanner, to be located at the hospital. CEMC understands that the existing equipment will be removed from North Carolina by the vendor. CEMC will not own or use the existing equipment after its replacement.

Please contact me with any questions regarding this matter.

Sincerely,

Tim Ludwig
Vice President, Ancillary Services

Attachment 3
REPLACEMENT EQUIPMENT QUOTE

[attached]

GE Healthcare

Date:	03-19-2018
Quote #:	PR5-C87738
Version #:	16
Q-Exp-Date:	03-30-2018

Issued By:
GE Healthcare
FEIN: 14-0689340

Customer Address:
CarolinaEast Medical Center
2000 Neuse Blvd
New Bern NC 28560-3449

Attention:
Mr. Rick Fisher
2000 Neuse Blvd New Bern
NC 28561

The terms of the Master Purchasing Agreement, Strategic Alliance Agreement or GPO Agreement referenced below as the Governing Agreement shall govern this Quotation. No additional or different terms shall apply unless agreed to in writing by authorized representatives of both parties.

Governing Agreement:	Novation - Vizient Supply LLC
Customer Number:	1-23I7SI
Terms of Delivery:	FOB Destination
Billing Terms:	80% delivery / 20% Installation
Payment Terms:	NET 30
Total Quote Net Selling Price:	$1,378,479.19
Sales And Use Tax Status:	No Exemption Certificate on File

INDICATE FORM OF PAYMENT:

If "GE HEF Loan" or "GE HEF Lease" is NOT selected at the time of signature, then you may NOT elect to seek financing with GE Healthcare Equipment Finance (GE HEF) to fund this arrangement after shipment.

___Cash/Third Party Loan/Check ___GE HEF Loan

___GE HEF Lease ___Third Party Lease(please identify financing company) _____

By signing below, each party certifies that it has not made any handwritten modifications. Manual changes or mark-ups on this Agreement (except signatures in the signature blocks and an indication in the form of payment section below) will be void.

Each party has caused this agreement to be executed by its duly authorized representative as of the date set forth below.

CUSTOMER

_____ _____
Authorized Customer Signature Date

_____ _____
Print Name Print Title

_____
Purchase Order Number (if applicable)

GE HEALTHCARE
Nicholas Bengel 03-19-2018
Signature Date

Imaging Account Manager

Email: nicholas.bengel@ge.com
Office: +1 414 238 7008

GE Healthcare

Date:	03-19-2018
Quote #:	PR5-C87738
Version #:	16
Q-Exp-Date:	03-30-2018

Total Quote Selling Price	**$1,401,479.19**
Trade-In and Other Credits	$23,000.00
Total Quote Net Selling Price	**$1,378,479.19**

To Accept this Quotation

Please sign and return this Quotation together with your Purchase Order To:
Nicholas Bengel
Office: +1 414 238 7008
Email: nicholas.bengel@ge.com

Payment Instructions

Please **Remit** Payment for invoices associated with this quotation to:
GE Healthcare
P.O. Box 96483
Chicago, IL 60693

To Accept This Quotation

- Please sign the quote and any included attachments (where requested).
- If requested, please indicate, your form of payment.
- If you include the purchase order, please make sure it references the following information
  - The correct Quote number and version number above
  - The correct Remit To information as indicated in **"Payment Instructions"** above
  - The correct SHIP TO site name and address
  - The correct BILL TO site name and address
  - The correct Total Quote Net Selling Price as indicated above

"Upon submission of a purchase order in response to this quotation, GE Healthcare requests the following to evidence agreement to contract terms. Signature page on quote filled out with signature and P.O. number.
**********OR**********
Verbiage on the purchase order must state one of the following: (i) Per the terms of Quotation #_____; (ii) Per the terms of GPO#_____; (iii) Per the terms of MPA #_____; or (iv) Per the terms of SAA #_____. Include the applicable quote/agreement number with the reference on the purchase order.
In addition, source of funds (choice of: Cash/Third Party Loan or GE HEF Lease or GE HEF Loan or Third Party Lease through _____), must be indicated, which may be done on the quote signature page (for signed quotes), on the purchase order (where quotes are not signed) or via a separate written source of funds statement (if provided by GE Healthcare)."

GE Healthcare

Date:	03-19-2018
Quote #:	PR5-C87738
Version #:	16
Q-Exp-Date:	03-30-2018

03-19-2018

GPO Agreement Reference Information

Customer:	Mr. Rick Fisher
Contract Number:	PLEASE SEE NOVATION CONTRACT # BELOW
Start Date:	
End Date:	12/31/2021

Billing Terms:	80% delivery / 20% Installation
Payment Terms:	NET 30
Shipping Terms:	FOB Destination

NOTICE REGARDING COMPUTED TOMOGRAPHY ("CT") PRODUCTS. This notice applies only to the following GE Healthcare products: CT: Revolution CT and EVO, Optima 680 CT and Optima 520 CT. GE Healthcare has reclassified several advanced software tools and associated documentation to a GE Healthcare Technical Service Technology package that GE Healthcare feels will bring greater value and interest to our customers. GE Healthcare will continue to provide trained Customer employees with access to the GE Healthcare Technical Service Technology package under a separate agreement. GE Healthcare will continue to provide customers and their third party service providers with access to software tools and associated documentation in order to perform basic service on the CT, MR and NM products listed above upon a request for registration for such access. This will allow GE Healthcare to react faster to the future service needs of GE Healthcare customers. If you have any questions, you can contact your sales Service Specialist.

This product offering is made per the terms and conditions of Novation/GE Healthcare GPO Agreement # XR0321 (CT) and # XR0351 (PET-CT).

For access to the applicable Novation Agreement and Contract Summary, please login to the Novation Marketplace website. If you require assistance or are experiencing issues please contact one of the following for support:

Novation Customer Service (888) 7-NOVATE NOVCustomerService@novationco.com

Web Site Technical Support (800) 327-8116 NovationTechSupport@novationco.com

GE Healthcare

Date: 03-19-2018
Quote #: PR5-C87738
Version #: 16
Q-Exp-Date: 03-30-2018

Qty	Catalog No.	Description
1		**CarolinaEast Discovery IQ 5 Ring** **Discovery IQ Systems**
1	Y0000LC	Pricing Non-Disclosure Language This CONFIDENTIAL offer may not be shared with any third parties, buying evaluation groups or anyone not directly employed by customer. This offer is being extended in relation to a national show-site agreement, research partnership, or other non-standard transaction. If required for publishing, GE will happily provide a list price quote.
1	S9325CM	Discovery IQ - 5 ring Discovery*IQ is the next evolution in whole body PET/CT platform, bringing clinically-relevant innovations in an evolutionary platform designed to open doors to new and advanced procedure possibilities in a non-invasive diagnostic imaging. Many of the subsystems have been reimagined to bring advances in quantitative PET imaging, single PET/CT organ imaging, managing patient breathing and cardiac movement, PET and CT iterative reconstruction technologies, and workflow efficiency, while providing the highest PET sensitivity in the industry. Discovery IQ platform introduces LightBurst, a reimagined PET detector, designed for optimal detection efficiency and clinical versatility. The new LightBurst PET detector sensitivity and NECR properties are optimized to perform low and high count rate PET/CT imaging thus potentially allowing faster acquisition time and/or lower injected PET dose. LightBurst also features an advanced dual integration acquisition channels technology, which greatly improves the count rate accuracy

Qty	Catalog No.	Description
		allowing more accurate PET quantitative measurements for all tracers including Ga68, F18, C11, Rb82. The Discovery IQ consists of an integrated gantry containing: o an Optima CT540 designed around a 24 rows and 20mm coverage CT detector and a 6.3MHU anode heat storage capacity tube assembly technology. Discovery IQ meets MITA XR-29-2013 Smart Dose Standards. o a LightBurst PET detector composed of 5 PET rings with integrated Dual energy acquisition electronics. o a scalable PET iterative reconstruction system o a Discovery IQ operator console featuring in standard, the following advanced workflow solutions: RadRx patient study prescription; Q.Check a PET data Quantitative integrity check. o a patient imaging table with one head holder, patient security straps and comfort accessories. Quantitative Imaging o Q.Temp - Individual temperature sensor and gain adjustment for each QUAD-Photomultiplier enabling PET acquisition quantitation accuracy. o Dual integration acquisition channels simultaneous acquisition greatly improves count rate accuracy for all tracers. o Q.Check - User configurable data integrity check that can help ensure parameters important for quantitative imaging are saved in the patient DICOM data prior to being sent to the network for analysis and/or archiving. Now

Qty	Catalog No.	Description
		includes blood glucose level, date of last therapy, and ability to note whether patient is diabetic. Prospective Reconstruction o VUE Point HD utilizes a fully 3D iterative reconstruction technique with all corrections within the loop, enhanced resolution with detector geometry modeling, model-based 3D scatter correction inside and scatter estimation outside the field of view, exclusive randoms corrections based on singles and dead-time correction with pile-up estimates providing high image quality and patient throughput. o WideView - PET reconstructed transaxial Field of View coverage of 70cm diameter with CT based PET attenuation correction and CT wide-FOV Display. Motion Management Motion Management tools enable the reduction of motion artifacts caused by patient breathing and cardiac movement by acquiring motion information during the scan and incorporating it into motion related PET/CT applications. o RAD Rx Variable CT protocols within same exam including Average Cine CT for improved attenuation correction o VIP replay provides integrated list mode processing for generating a variety of scan types (static, dynamic,m gated - PET gated option needed) from a single acquisition. Power Management o Energy Save Mode - Place the console, PET

Qty	Catalog No.	Description

computers, and PET gantry into a sleep mode such that non-essential electronics minimize energy usage and heat generation resulting in electricity savings for the facility.

Calibration and Daily Quality Control

Daily Quality Assurance at the start of the scanning day is quick and efficient. A simple protocol launches the DQA procedure, which takes less than 10 minutes and provides you with a daily report.

CT Features

The Discovery IQ platform can be operated as a standalone CT scanner (without gantry tilt). It offers exceptional power, remarkable speed, high-resolution/low-dose imaging, and full diagnostic capabilities. The Discovery IQ includes the Optima CT540 that can perform a wide variety of clinical applications not requiring gantry tilt and has the following features.

Technology

o 0.625mm FWHM at Helical: Helical reconstruction technologies, crossbeam correction, conjugate ray interpolation and hyper plane helical reconstruction with alpha smoothing method allow "Scan Thin 0.625mm, and Recon Thin 0.625mm".

o Tube Unit Assembly with Maximum X-ray heat content: 7.4MJ (10 MHU). Design optimized for exams requiring a large number of scans and less tube cooling. Anode Heat Storage Capacity: 6.3MHU. Heat Dissipation: Anode (max)

Qty	Catalog No.	Description
		840KHU/min o 53.2kW generator power equivalent to 66kW considering the short gantry geometry (94.9cm Tube to detector distance) X-ray efficiency. o Volara Digital DAS, Data Acquisition System, with an increased sampling rate of up to 20% and noise reduction up to 33%, enabling outstanding image quality in signal-starved areas (shoulder, hip, large patient, metal). o Beam Tracking provides real-time X-ray follow-up, enabling high spatial resolution with no post-patient collimation and no dose penalty. Dose Management o Volumetric Image Space Reconstruction (VISR) provides a 3D filter that reduces noise without compromising resolution, for clear visualization of brain, tumor, and pediatric cases. With the VISR 3D filter, the scanner delivers up to 20% image quality improvement at the same dose, or the same image quality with up to 36% dose reduction.* (*) In clinical practice, the use of VISR may reduce CT patient dose depending on the clinical task, patient size, anatomical location and clinical practice. A consultation with a radiologist and a physicist should be made to determine the appropriate dose to obtain diagnostic image quality for the particular clinical task. When ASiR (option) is installed, 3D Neuro filter (ViSR) will be disabled o 3D mA modulation acquisitions may reduce dose compared with fixed mA acquisitions. mA

Qty	Catalog No.	Description
		modulation is designed to optimize the dose for the user prescribed noise index. Its effect on dose depends on the patient body habitus. o ECG Dose Modulation: prospective ECG dose modulation automatically adjusts the mA to reduce dose during systolic phases of the cardiac cycle. o Pediatric scan protocols based on the Broselow-LutenTM Pediatric System. This Color Coding system is incorporated into the protocol selection on the operator's console and is designed to facilitate pediatric emergency care and reduce medical errors o Dose report: In conjunction with prospective display of CTDIvol, DLP and dose efficiency, dose report helps clinicians reach ALARA dose, and keep track of it. Report is available in both DICOM secondary capture and structured report format. o Dose Check: Provides the user tools to guide dose given in clinical practice and is based on the standard XR-25-2010 published by The Association of Electrical and Medical Imaging Equipment Manufacturers (NEMA). Dose Check provides the following: Checking against a Notification Value if the estimated dose for the scan is above your site typical dose value, checking against an Alert Value where the user needs specific authority to continue the scan at the current estimated dose without changing the scan parameters, defining Alert Values for Adult and Pediatric with age threshold, audit logging and review, protocol

Qty	Catalog No.	Description
		change control
		PET/CT Operators Console
		o Fully integrated PET and CT user interface
		o Direct Multi Planar Reformat delivers automated axial, sagittal, and coronal reconstruction with excellent image quality for PET and CT images of the patient data being acquired. Direct3D TM automatically builds 3D models during axial image reconstruction.
		o Volume Viewer: Environment for 3D processing of any CT, MR, 3D X-ray, and Pet/CT dataset. It provides exceptional tools for analysis, segmentation, measurements, annotation, filming, and exporting of clinically relevant images. Volume Viewer seamlessly combines anatomical image review with PET quantitative measurement capabilities such as SUV.
		o Freedom Workspace: Innovative hardware and software creates a convenient, ergonomic working environment. It offers sit/stand and horizontal/vertical monitor flexibility. It can also help reduce noise and heat with remote location of the console.
		o Two 19 -inch diagonal width high-resolution color monitors for image display, analysis, processing, and management of PET, CT, a nd PET/CT images.
		o Three button mouse with mouse pad
		o ImageWorks provides instant access to advanced image processing features such as CT Perfusion 4, Advanced Vessel Analysis, CardIQ Xpress Pro or Plus, AutoBone and DentaScan

Qty	Catalog No.	Description
		PET/CT Service Features Each system is supported by GE's InSite remote diagnostics, iLinq, and TiP Virtual Assist. InSite broadband - all hardware and software required to remotely connect this PET/CT system to GE's InSite On-Line Center via secure VPN high-speed Internet connections. Enables access to services designed to reduce downtime, improve quality, enhance performance, increase productivity, and expand imaging capabilities. * Trademark of General Electric Company
1	P5051TF	PET/CT Long Length Cables Long length cable set for Discovery PET/CT 16sl products
1	P5051TR	2M Scan Range option 2 meter scan option The system can perform a full 2 meter acquisition of both CT and PET data, through the use of a cradle extender and specific acquisition protocols.
1	P5053AL	Q.Prep option Q.Prep is a new functionality introduced with Discovery IQ. Critical tool for the operator to perform Quantitative PET imaging, it is designed to facilitate the patient exam preparation. Q.Prep offers the following functions: • Ability to view parameters of prior exams • Compare prior parameters to current exams • Ability to pre-enter study information
1	P5051SK	SharpIR option Advanced system modeling in PET reconstruction that enhances visual contrast and resolution in both whole-body and brain images by incorporating information about the PET detector's point-spread-function response into the 3D iterative reconstruction.

GE Healthcare

Date: 03-19-2018
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Qty	Catalog No.	Description
1	P5051NN	Q.CORE +2, with GPU Q.Core +2 Powerful, expandable GE PET reconstruction technology makes the latest PET/CT workflows clinically relevant by handling massive PET/CT data sets with ease. Its dual Quad-Core processors routinely reconstruct PET images for clinically relevant data reconstruction and display of images while your patient is still on the table. Reconstruct fully 3D IR and motion-corrected gated studies at incredible speeds. Q.Core +2 option adds a 2nd graphics processing unit that extends the clinical utility of the Q.Core even further with reconstruction speeds under 75 seconds for VUE Point FX, time-of-flight studies.
1	B7900LC	Low Dose CT Lung Screening Option with Indication For Use This option provides lung screening reference protocols that are tailored to the CT system, patient size (small, average large), and the most current recommendations from a wide range of professional medical and governmental organizations. Now, qualified GE Healthcare CT scanners with this option are formally indicated for, and can be confidently used by physicians for low dose CT lung cancer screening of identified high-risk patient populations. These protocols deliver low dose, short scan times, and clear and sharp images for the detection of small lung nodules. Early detection from an annual lung screening with low dose CT in high-risk individuals can prevent a substantial number of lung cancer-related deaths. All new GE 64-slice and greater CT scanners, and virtually all of the 16-slice CT scanners that GE Healthcare sells are qualified for this screening option. This solution is also available to thousands of qualified GE CT scanners currently in use, increasing access to the quality scanners that satisfy both patient and physician needs. The new protocols, do include the choice for the user to be able to utilize GE Healthcare's industry-leading technologies such as ASiRTM, ASiR-VTM and VeoTM that are designed to reduce image noise, which is undesirable for physicians looking for small nodules. This option contains two documents. Lung Cancer Screening Option Reference Protocol Guide, and the Lung Cancer Screening Option User Manual / Technical Reference Manual i) The following GE Healthcare CT scanners are qualified to receive the new low dose CT Lung Cancer Screening Option: LightSpeed 16, BrightSpeed Elite, LightSpeed Pro16, Optima CT540, Discovery CT590 RT, Optima CT580, Optima CT580 W, Optima CT590 RT, LightSpeed Xtra, LightSpeed RT16, LightSpeed VCT, LightSpeed VCT XT, LightSpeed VCT XTe, LightSpeed VCT Select, Optima CT660, Revolution EVO, Discovery CT750 HD, Revolution HD, Revolution CT, Revolution Frontier. ii) Moyer V. Screening for Lung Cancer: U.S. Preventive Services Task Force Recommendation Statement. Ann Intern Med. 2014;160:330-338. http://www.uspreventiveservicestaskforce.org/Page/Document/RecommendationStatementFinal/lung-cance

GE Healthcare

Date: 03-19-2018
Quote #: PR5-C87738
Version #: 16
Q-Exp-Date: 03-30-2018

Qty	Catalog No.	Description
1	B7500LN	Connect Pro Software ConnectPro HIS/RIS Interface Option for CT systems ConnectPro Offers New Levels of Productivity to LightSpeed Users by Providing a Connection Between the Facilities Hospital (HIS) or Radiology (RIS) Information System. ConnectPro Simplifies and Eliminates Errors in Patient Data Entry. Data Available at the Operator Console When Using ConnectPro Includes: o Procedure Step Code/Description o Requested Procedure Code/Description o Performed Procedure Step Compatibility o Demographic Data - Name, ID, Age, Birthday, Sex, etc. o Study UID - Unique ID Number o Scheduling Info - Dept, Modality, Station Address, Accession #, Date, Time The Operator has Three Convenient Ways to Enter Patient Information: o Scan Barcode o Type in Unique Identification Number o Select From a List of Patients All of This Results in: o Enhanced Productivity o Direct Patient Data Entry o On-line Access to Schedules o Display of Patients Scheduled for Current Time of Day o Full Simultaneity with All Scanner

Qty	Catalog No.	Description
		Operations o Eliminates Errors Critical for "Filmless" Operation o Enhances Quality of Care o Obtain Key Data From Your HIS/RIS via Modality Worklist - Allergies, Pregnancy Status, Medical Alerts o User-selectable Filtering and Sorting o Seamless Integration with LightSpeed o Performed Procedure Step Compatibility Does NOT include a bar code reader Note: May Require Interface Box for Conversion of HL7 to Dicom.
1	P5054WA	PET Rear Gantry Laser Lights Discovery PET/CT 600/690 rear gantry and patient laser landmark option.
1	B7877BC	Bar Code Reader -USB USB Bar Code reader for use with ConnectPro (optional) Connect Pro - Offers New Levels of Productivity by Providing a Connection Between the Facilities Hospitial (HIS) or Radiology (RIS) Information System. ConnectPro Simplifies and Eliminates Errors in Patient Data Entry.
1	B7660B	Chair Chair for CT scanner
1	P5051MB	PET Adjustable Desk Adjustable Desk for PET/CT console.
1	B77292CA	CT Service Cabinet Service cabinet for system accessories storage
1	E6315JE	DIACOR RTP Flat Tabletop for CT and PET/CT Systems - RT16, DVCT, Disc 600/690, HD750 and VCT DIACOR RTP Flat Tabletop for CT and PET/CT Systems- RT16, DVCT, Discovery PET/CT 600, 610, 690, 710, HD750, and VCT Diacor Radiation Therapy Planning Overlay For GE Healthcare Global Tables, Model 1700, 2000

Qty	Catalog No.	Description
		and PET/CT The Radiation Therapy Planning Overlay, or "CT Overlay", provides a secure flat surface for CT Simulation applications, consistent with the treatment couch, for accurate and reproducible patient positioning. FEATURES/BENEFITS o Carbon fiber construction with foam core provides durable, light-weight device with outstanding imaging properties o Varian Exact Technology and Indexing Immobilization Patient Positioning system along entire length of the overlay o Designed specifically for GE Healthcare's Global Table o Easily locks and unlocks from the CT Table, providing easy transition between therapy and diagnostic procedures INCLUDED: o Carbon Fiber CT Overlay with locking accessories o Two Varian Exact Couch Indexing Bars o One Varian Respiratory Gating Interface Plate and associated mounting hardware SPECIFICATIONS: Weight: 30 lbs. (13.61 kg) Length: 85.25 in. (217.17 cm) Width: 20.87 in. (53.0 cm) Height: 1.62 in. (4.12 cm)
1	E8505MJ	Civco RTP Cradle Overlay for GT 1700, 2000 and PET Tables Civco RTP Cradle Overlay for GT 1700, GT 2000, and GT PET Tables(RT16, DST VCT, and VCT) Flat-panel table inserts securely lock into the GE CT and PET/CT cradle for rapid, accurate and, repeatable patient set up and localization. It has a sturdy, lightweight foam core with durable, carbon fiber construction. Designed for optimum patient comfort and treatment flexibility, it attaches quickly and securely to the cradle for more accurate studies. Accuracy: Repeatability of positioning will be accurate within 1mm when table's top is setup correctly with proper techniques.
1	E8008P	PET/CT VQC Volumetric Quality Control Phantom for Discovery, IQ 3-ring (15 cm), IQ 4-ring (20 cm) , IQ 5-ring (25 cm), Discovery 710, 610, 690, 600, Discovery MI/MI-DR, Optima 560 VQC Phantom PET/CT VQC Volumetric Quality Control Phantom for Discovery, IQ 3-ring (15 cm), IQ 4-ring (20 cm) , IQ 5-ring (25 cm), Discovery 710, 610, 690, 600, Discovery MI/MI-DR, Optima 560 When a new phantom or pin source is purchased, the e-cat will include a Used Source Return Kit, intended for the immediate return of the depleted source(s) replaced. Note the following condition: • Cost to the customer is the return freight • Return kit has an RA# that is good for 6 months, before expiration.

Qty	Catalog No.	Description
		• Returns after 6 months subject to additional charges
1	E8008PS	PET Annulus Phantom Shield Container - DQA Safe Wheels feature swivel castors for easy mobility and wheel locks for added stability. Lid features a handle for easier opening. Spring loaded covered hinge assists when lifting the lid. Container latch seals the phantom inside to ensure radiation gaps are eliminated. Latch includes option to use a padlock to secure the phantom in the container. Gusset holes allow the facility to secure the shield to the site with a chain or cable. The container's interior walls feature a soft plastic for easier insertion and removal of the phantom. Weight - approximately 300 lb / 136 kg.
1	E8008PN	PET Annulus Phantom – DQA (Daily Quality Assurance); for Signa PET/MR, Discovery IQ series , Discovery MI, MI-DR PET Annulus Phantom – DQA (Daily Quality Assurance); for Signa PET/MR, Discovery IQ series , Discovery MI, MI-DR The PET Annulus DQA (Daily Qualified Assurance) imaging phantom for the Discovery IQ PET system or SIGNA PET/MR system is a uniform solid suspension of Ge-68 encased and sealed in an annular, black plastic shell. • Recommended for accurate calibration of your PET detector and easier quality control • Designed to be held in place during use by standard source holders provided with scanning equipment • No mechanical maintenence is required When a new phantom or pin source is purchased, the e-cat will include a Used Source Return Kit, intended for the immediate return of the depleted source(s) replaced. Note the following condition: • Cost to the customer is the return freight • Return kit has an RA# that is good for 6 months, before expiration. • Returns after 6 months subject to additional charges
1	W0105PT	TiP Applications PET/CT Succeed Advance Training Program TiP Applications PET/CT Succeed Advance Training Program TiP Applications PET/CT Succeed Advance includes: • 12 onsite days covered over 4 site visits • 10 hrs. TVA • 1 TiP Headquarter Class

Qty	Catalog No.	Description
		All elements of the programs are completed within 24 months post installation.
		Onsite training and TVA are delivered Monday through Friday between 8AM and 5PM. T&L expenses are included.
		Headquarters classes are delivered in the Milwaukee area and include travel and modest living expenses.
1	R22013AC	Standard Service License
		GE Healthcare has reclassified its service tools, diagnostics and documentation into various classes (please refer to the Service Licensing Notification statement at the beginning of this Quotation). The Standard License provides access to service tools used to perform basic level service on the Equipment and is included at no charge for the warranty period.
		Extended Warranty
1		**NonProducts**
1		3 months extended warranty, valued at 41536.00
		PET Approved
1		**PET Approved**
1	S9100AA	QSUV CLIN EVID ENTERPRISE
		The Quantitative SUV (Q.SUV) Clinical Evidence Enterprise is a time-limited offering for PET centers interested in contributing clinical cases featuring the benefits of quantitation accuracy and small lesion characterization to the GE Healthcare clinical library. The Q.SUV Clinical Evidence Enterprise offering includes Q.Clear full-convergence iterative reconstruction technology designed to provide up to 2 times improvement in PET quantitation accuracy (SUVmean) with up to 2 times improvement in image quality (SNR) enabling accurate small lesion detection, fast and efficient reading and more confident diagnosis.

GE Healthcare

Date: 03-19-2018
Quote #: PR5-C87738
Version #: 16
Q-Exp-Date: 03-30-2018

Qty	Catalog No.	Description

Quote Summary:

DST 4 slice, no console	**($23,000.00)**
Total Quote Net Selling Price	**$1,378,479.19**

(Quoted prices do not reflect state and local taxes if applicable. Total Net Selling Price Includes Trade In allowance, if applicable.)

Options

(These items are not included in the total quotation amount)

Qty	Catalog No.	Description	Ext Sell Price	
		CarolinaEast Discovery IQ 5 Ring		
1	P5051MO	ASiR Option for NIO 16 sl system ASIR Available on Discovery PET/CT 610 16 slice, Discovery PET/CT 710 16 slice and Optima PET/CT 560 with Brightspeed Elite Adaptive Statistical Iterative Recon (ASIR) provides users with a an innovative image reconstruction technology to reduce unwanted noise in diagnostic CT images, allowing users to improve image quality at up to 40 percent less dose. ASIR feature name is licensed for use with a GE X-ray tube. Use of a third party x-ray tube will require purchase of an additional license for these features.	$70,050.00	X_____
1	P5051LH	PET Cardiac option PET Cardiac acquisition option for Discovery IQ enables PET cardiac scan functionality.	$4,670.00	X_____
1	P5051LK	PET Gating option PET Gating acquisition option for Discovery products. Enables PET respiratory gating scan functionality.	$11,675.00	X_____

GE Healthcare

Date: 03-19-2018
Quote #: PR5-C87738
Version #: 16
Q-Exp-Date: 03-30-2018

Qty	Catalog No.	Description	Ext Sell Price	
1	P5051ES	Q.Static option Available on Discovery MI - DR, Discovery PETCT 710 and Discovery PETCT 610 Part of Q.Suite - a suite of innovative new quantitative imaging tools from GE Healthcare designed to help clinicians generate more consistent PET measurements, and therefore assess treatment response more accurately than ever before. Q.Static Represents a starting point for adding motion correction techniques to your facility and the opportunity to build towards a full 4D phase-matched workflow. Without disrupting your standard static whole-body workflow, were designing Q.Static to automatically isolate data when organs are in a low motion state, thereby correcting for motion across the entire chest or torso. The result is a single image series with reduced blurring from organ motion, and therefore more consistent quantitation compared to a static image.	$37,360.00	X_____
1	P5051NC	Q.AC option Q.AC Available on Discovery IQ, Discovery PETCT 710, and Discovery PETCT 610 Part of Q.Suite - a suite of innovative new quantitative imaging tools from GE Healthcare designed to help clinicians generate more consistent PET	$30,567.49	X_____

Qty	Catalog No.	Description	Ext Sell Price	
		measurements, and therefore assess treatment response more accurately than ever before. Q.AC - Accurate attenuation correction is required for quantitative PET imaging. But in large anatomy imaging at low doses, the CT beam may not be strong enough to fully penetrate through the patient to the detector, potentially resulting in variations in attenuation measurements. Our next generation Q.AC algorithm is designed to reduce potential variance, helping to ensure that the attenuation coefficients used in image reconstruction are accurate. This may improve consistency even in the most clinically demanding circumstances.		
1	P5051LV	PET Cardiac Vue PET Cardiac Vue: Cardiac Vue is used for cardiac scans to generate short, horizontal long and vertical long axis images. It allows the user to re-bin and re-filter the images in a single reformat screen. The review screen is used to display reoriented gated and non-gates images.	$4,670.00	X_____
1	P5051QC	Q.Clear option Q.Clear is a full convergence iterative reconstruction technology designed to provide up to 2 times improvement in PET quantitation accuracy (SUVmean) with up to 2 times improvement in image quality (SNR) enabling accurate small lesion detection, fast and efficient reading and more confident diagnosis.	$140,100.00	X_____

Qty	Catalog No.	Description	Ext Sell Price	
		Q.Clear upgrade for Discovery MI - DR products Pre-requisites: o P5051SK SharpIR Q.Clear upgrade for Discovery 710 products Pre-requisites: o P5051SK SharpIR o P5051NL Q.Core + 1 o P5051NN Q.Core + 2 Q.Clear Upgrade for Discovery 610 products Pre-requisites: o P5051SK SharpIR o P5051NL Q.Core + 1		
1	E8007PJ	OCS III Mounting Plate OCS III Mounting Plate	$520.00	X_____
1	E80141HB	MEDRAD Stellant D DualFlow ISI-ready on ceiling mount (85cm post length) with Certegra Workstation and ISI900G CT communication kit GE Healthcare now offers the Medrad Stellant D injector with Certegra workstation. The dual syringe CT injection system is reliable and easy to use. It features saline flush and DualFlow capabilities allowing users to test vein accesses with saline, and prime patient tubing with saline to save contrast. Medrad Stellant D CT Injection System users are armed with: • Automation features to help maximize throughput: integrated auto load, auto retract, auto prime and auto syringe sensing • Save up to 250 protocols • Quick, easy install and detachment • Check for air confirmation button and arming on the injector head • Pressure monitor graph and flow profile preview • Up to 6 phases including pause and hold capabilities • Programmable pressure limit	$54,112.00	X_____

Qty	Catalog No.	Description	Ext Sell Price
		• Colour touch screen • Either ceiling counterpoise or pedestal-mount configurations Certegra Workstation From study set-up and preparation to study administration and results management, the Certegra Workstation serves as a workflow-centralized technologist interface to help users enhance efficiencies and patient care, enabling options such as P3T 2.0 (Personalized Patient Protocol) software environment. The benefits of DualFlow (simultaneous injection of contrast and saline) • Provide more uniform attenuation of the right and left ventricles • Minimize artefacts by achieving proper attenuation levels • Visualize the right coronary arteries and right ventricles in a single study by achieving more uniform attenuation MEDRAD Stellant D Certegra injector with Integrated CT Communication Designed to save time and increase CT scan throughput, the MEDRAD Stellant D with Certegra Workstation is validated for use with GE's Enhanced Xtream Injector option on selected scanners - enabling CAN Class 4 functionality for seamless communication. The resulting injector and CT scanner integration benefits include: • Reduced overall programming time • Improved scanner and injector protocol matching through programming of the injector from the scanner console • Better control over contrast injection procedure with a synchronized CT scan start time. A single button-press on the scanner starts both the injector and scanner • Preview injection parameters before beginning the scan • Complete post-study reviews of injection results at the scanner console • Automatic documentation of the injection results in PACS System Ceiling-mount configuration includes: • Dual injector head on Overhead Ceiling Counterpoise	

Qty	Catalog No.	Description	Ext Sell Price
		• Syringe heat maintainer • Certegra Workstation with USB drive • DualFlow software • ISI-ready software • ISI900G CT communication kit • Base control unit • 22.8 m (75 ft) head extension cable • 7.6m (25 ft) base to display cable • Power cord, North America • Power cord, international • Product information package • Operations manual • Installation, customer's operational training at time of installation, and one year full on-site warranty in Bayer service countries System Specifications • Flow Rate (range & increments): 0.1 to 10 ml/sec in 0.1 ml increments • Volume (range & increments): 1 ml to syringe capacity in 1 ml increments • Programmable Pressure Limit 200 ml syringe: 325 psi, 2241 kPa • Scan delay: 0-300 seconds (5 minutes) in 1 second increments • Pause: 1-900 seconds (15 minutes) in 1 second increments • Hold: maximum HOLD time is 20 minutes • Syringes (volume capacity): 200 ml sterile disposable syringe • Number of phases: 6 • Number of protocols: 250 • Electrical Requirements (VAC/Hz): 100-240 VAC, 50/60 Hz • Syringe Heat Maintainer Range: 35 °C +/-5, 95 °F +/-9 • Dual Injector Head: 15.5 cm (6.1") H x 30.7 cm (12.1") W x 36.8 cm (14.5") D, 8.1 kg (17.0 lb) without syringe • Certegra Workstation (CWS): 34.2 cm (13.5") H x 40.0 cm (15.8") W x 30.0 cm (10.2") D, 8.0 kg (17.6 lb)	

GE Healthcare

Date: 03-19-2018
Quote #: PR5-C87738
Version #: 16
Q-Exp-Date: 03-30-2018

Qty	Catalog No.	Description	Ext Sell Price
		• Base Unit: 29.2 cm (11.5") H x 27.9 cm (11.0") W x 22.2 cm (8.8") D	

(Quoted prices do not reflect state and local taxes if applicable. Total Net Selling Price Includes Trade In allowance, if applicable.)

GE Healthcare

December 16, 2019
Quote Number: **2006550416.1**
Customer ID: **1-23I7SI**
Agreement Expiration Date: **12/31/2019**

CarolinaEast Medical Center
2000 Neuse Blvd
New Bern, NC 28560-3449

This Agreement (as defined below) is by and between the Customer and the GE Healthcare business ("GE Healthcare"), each as identified below for the sale and purchase of the Products and/or Services identified in this Quotation, together with any applicable schedules referred to herein ("Quotation"). "Agreement" is this Quotation and either: (i) the Governing Agreement identified below; or (ii) if no Governing Agreement is identified, the GE Healthcare Terms and Conditions and Warranties that apply to the Products and/or Services identified in this Quotation. In the event of conflict, the Quotation supersedes.

GE Healthcare can withdraw this Quotation at any time before Customer: (i) signs and returns this Quotation or (ii) provides evidence of Quotation acceptance satisfactory to GE Healthcare ("Quotation Acceptance"). On Quotation Acceptance, this Agreement is the complete and final agreement of the parties relating to the Products and/or Services identified in this Quotation. There is no reliance on any terms other than those expressly stated or incorporated by reference in this Agreement and, except as permitted in this Agreement, no attempt to modify will be binding unless agreed to in writing by the parties. Modifications may result in additional fees and cannot be made without GE Healthcare's prior written consent.

Handwritten or electronic modifications on this Agreement (except an indication of the form of payment, Customer purchase order number and signatures on the signature blocks below) are void.

Governing Agreement:	Novation Vizient Supply LLC
Terms of Delivery	FOB Destination
Billing Terms	80% delivery / 20% Installation
Payment Terms	NET 30
Total Quote Net Selling Price	$104,387.50
Sales and Use Tax Exemption	No Certificate on File

INDICATE FORM OF PAYMENT:

(If there is potential to finance with a lease transaction, by GE HEF otherwise, select lease)

___ Cash*
___ Lease
___ GE HEF Loan
___ If financing, please provide name of finance company: _____)

*Selecting "Cash" or not identifying GE HEF as the finance company declines the option for GE HEF financing.

The parties have caused this Agreement to be executed by their authorized representative as of the last signature date below.

CarolinaEast Medical Center

Signature: _____

Print Name: _____

Title: _____

Date: _____

_____
Purchase Order Number, if applicable

GE Precision Healthcare LLC, a GE Healthcare business

Signature: Nicholas Bengel

Title: Imaging Account Manager

Date: December 16, 2019

GE Healthcare

December 16, 2019
Quote Number: **2006550416.1**
Customer ID: **1-23I7SI**
Agreement Expiration Date: **12/31/2019**

To Accept This Quotation

Please sign and return this quotation together with your Purchase Order to:

Name: Nicholas Bengel

Email: nicholas.bengel@ge.com

Phone: 414-238-7008

Fax:

Name:

Email:

Phone:

Fax:

Payment Instructions

Please **remit** payment for invoices associated with this quotation to:

GE Precision Healthcare LLC
P.O. Box 96483
Chicago, IL 60693

FEIN: 83-0849145

CarolinaEast Medical Center **Addresses:**

Bill To:	CAROLINAEAST MEDICAL CENTER	CAROLINAEAST MEDICAL CENTER, ACCOUNTS PAYABLE PO BOX 12157 NEW BERN, NC, 28561-2157
Ship To:	CAROLINAEAST MEDICAL CENTER	, 2000 NEUSE BLVD, , NEW BERN, NC, 28560-3449

To Accept This Quotation

- Please sign the quote and any included attachments (where requested).
- If requested, please indicate your form of payment.
- If you include a purchase order, please make sure it references the following information:
  - The correct Quote number and Version number above
  - The correct Remit To information as indicated in **"Payment Instructions"** above
  - Your correct SHIP TO and BILL TO site name and address
  - The correct Total Price as indicated above

Upon submission of a purchase order in response to this quotation, GE Healthcare requests the following to evidence agreement to contract terms: Signature page on quote filled out with signature and P.O. number **** OR**** Verbiage on the purchase order must state one of the following:

(i)Per the terms of Quotation # _____, (ii) Per the terms of GPO #_____; (iii) Per the terms of MPA# _____: or (iv) Per the terms of SAA # _____.

Include applicable quote/agreement number with the reference on the purchase order. In addition, Source of Funds (choice of Cash/Third Party Load or GE HFS Lease Loan or Third Party Lease through _____), must be indicated, which may be done on the Quote Signature Page (for signed quotes), or the Purchase Order (where quotes are not signed) or via a separate written source of funds statement (if provided by GE Healthcare)."

Line	Qty.	Catalog	
1	1.00	S7880AB	5-Beat Low Dose Cardiac Package

The Low Dose 5-Beat Cardiac package allows the user to acquire cardiac imaging exams with retrospective or prospective gated acquisitions utilizing up to 0.35 second rotation speed for excellent cardiac exams. This package contains the following items necessary to acquire coronary CT angiography data. (Post process packages on the operator console or a post processing workstation are needed for 3D processing and analysis of the data acquired):

SnapShot Imaging

Retrospectively gated helical cardiac scanning technique used to acquire ECG gated CT images of the coronary arteries when prospective gating can't be used. SnapShot imaging option allows users to acquire cardiac images of patients using the following cardiac imaging techniques:

-Retrospectively EKG-gated helical scanning method - SnapShot: primarily used for cardiac morphology imaging, with this technique, cardiac images of single or multiple cardiac phases at any given Z-axis location can be acquired and generated.
-EKG-gated Multi-slice CINE Scan mode: used primarily for coronary artery calcification scoring (CACS) studies or for cardiac morphology imaging.

Once a specific imaging model is selected, helical pitch and/or gantry rotation speed will be automatically selected for optimal scan coverage and image quality.

SnapShot Pulse

Prospectively gated cardiac scanning technique that helps reduces patient dose by up to 83%, and improves cardiac workflow, with excellent image quality. The technique captures a complete picture of the heart using a series of three to four snapshots taken at precise patient table positions and precisely gated (relative to conventional cardiac CT acquisitions).

SnapShot Pulse helps improve workflow by reducing the size of image set to be reconstructed, reviewed and post processed. A typical SnapShot Pulse series consists of 280 to 400 images, compared with up to 3,000 images in a typical helical cardiac scan series. Since there's a smaller number of images to reconstruct, SnapShot Pulse takes less time, yet still delivers the same amount of information as a helical cardiac exam.

SnapShot Assist
(This feature is only enabled on CT products that support this feature)

Helps users Optimize ECG-gated CT acquisitions based on patient heart rate characteristics. SnapShot Assist uses the patient's recorded heart rate information to display scan parameters (including scan mode, cardiac phases, padding and pitch) that could be used during the cardiac CT scan. SnapShot Assist generates a cardiac scan parameter recommendation using the patient's ECG analysis and user defined protocol selection algorithm. It uses the patient's recorded heart rate information to predict the heart rate behavior during a CCTA scan to assist the user with optimization of the parameters on a per-patient basis. Acquisition parameters displayed include scan mode (Cine SnapShot Pulse, Helical SnapShot Segment, etc.), cardiac phases, padding, and pitch. User Profiles define scan parameters within the heart rate and variability categories for a specific patient group and cardiac scan mode.

Xtream 12" Gantry Display and Operator Console ECG Trace
(This feature is only enabled on CT products that support this feature)

The ECG trace provided by the ECG monitor will be displayed on the CT gantry and operator's console with this option. Allowing the user to display the live trace of the patient's heart rate and display the actual location of the window of time when the image are being acquired. It will provide easy access to patient cardiac output status and assist in providing visual feedback for optimum acquisition start.

ECG Editor

The ECG Editor allows the user to retrospectively modify trigger points identifying R-peaks on ECG trace as displayed on the console. The capability may improve successful cardiac acquisition rate by enabling users to perform the modification in the cases with irregular heartbeat or suboptimal triggers.

Cardiac Enhance

Cardiac Enhance Filters provides users the capability to reconstruct filtered images using three steps of noise (pixel noise standard deviation) reduction for helical and axial cardiac imaging, which may allow a reduction of mA while maintaining an acceptable level of image performance.

ECG Dose Modulation

ECG gated dose modulation reduces patient dose by modulating x-ray technique during acquisition based on heart phase.

The ECG monitor comes with this cardiac package. It will be used to monitor patient cardiac output and synchronize acquisition with that output.

Line	Qty.	Catalog	
2	1.00	B77121BK	**VesselIQ Xpress & AutoBone Xpress**

VesselIQ Xpress provides an optimized non-invasive application to analyze vascular anatomy and pathology and aid in determining treatment plans from a set of CTA images.

There are new features introduced in the VolumeShare 7 release including:

Auto Abdominal Aorta Vessel tracking which is a completely automated protocol with autobone removal, auto vessel tracking and automatic labeling of the abdominal aorta vasculature.
Fast Tracking which provides automatic real time feedback for auto-detected centerlines to speed up vessel tracking.
New editing tools that allow for flexibility in editing based on the size of the vessel being edited.

This software supports the physician in:

Assessment of aneurysms with or without thrombus (false lumen) for size and volume measurements with the capability to track the size and volume over time, stenosis analysis, pre/post stent and surgical planning and directional vessel tortuosity visualization.
Automatic tools for the segmentation of bony structures in the brain and neck and other vascular areas for accurate identification of the vessels, single or double click vessel analysis.
Sizing the vessel, analyzing calcified and which is a completely automated protocol non-calcified plaque to determine the densities of plaque within a vessel, measure areas of abnormalities within a vessel (like stenosis, plaque, thrombus, dissection or leakage).
Semi-automated detection and segmentation of thrombus for subsequent measurements within the application.
Dedicated anatomy based protocols for improved workflow.
Compare a patient's previous exam to their current exam in order to measure and track any changes over time of their vascular structures.
After review of the exams, there are multiple ways to film, archive and capture information for future review.

System Requirements:
AW VolumeShare 7 or AW Server 3.2

Note: All software is Non-Transferable to other hardware and are Non-Returnable.

Total Quote Net Selling Price: ***$104,387.50***

GE Healthcare

December 16, 2019
Quote Number: **2006550416.1**
Customer ID: **1-23I7SI**
Agreement Expiration Date: 12/31/2019

GPO Agreement Reference Information

Customer:	CarolinaEast Medical Center
Contract Number:	Novation Vizient Supply LLC
Billing Terms:	80% delivery / 20% Installation
Payment Terms:	NET 30
Shipping Terms	FOB DESTINATION

Offer subject to the Terms and Conditions of the applicable Group Purchasing Agreements currently in effect between GE Healthcare and Novation Vizient Supply LLC

This product offering is made per the terms and conditions of Vizient /GE Healthcare GPO Agreements as follows:

Imaging:
XR0391-MR, XR0311-Card./Vasc., XR0321-CT, XR0342-Mammo, XR0351-PET-CT, XR0362-Nuc Med, XR0380-R&F/RAD & CE0351 and ICAR-EP/HEMO

Ultrasound:
XR0431-Ultrasound

Vizient: Please login to the Vizient Marketplace Website. If you require assistance or are experiencing issues, please contact Vizient for support: Email: Connect@VizientInc.com and Phone: 866-600-0618.

From: Timothy Ludwig
To: Timothy Ludwig
Subject: FW: PET change order letter - please sign
Date: Tuesday, December 17, 2019 10:07:41 AM
Attachments: CarolinaEast - Quote for PET Additions_USA Imaging Agreement 12-5-19_2019-12-16.pdf

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From: Bengel, Nicholas (GE Healthcare) [mailto:nicholas.bengel@ge.com]
Sent: Monday, December 16, 2019 2:26 PM
To: David Williams; Timothy Ludwig; Rick Fisher
Cc: Stanelle, Tobias (GE Healthcare)
Subject: RE: PET change order letter - please sign

Hi All,

Thank you David!

Per a conversation Tim and I had this morning, I am including a quote for these additional items to add to the PET package. This quote, in addition to the original PET quote, will remain valid until the PO is issued.

Thank you,
Nick

Nick Bengel
M: +1 414 238 7008

From: David Williams <DWilliams@carolinaeasthealth.com>
Sent: Monday, December 16, 2019 8:07 AM
To: Bengel, Nicholas (GE Healthcare) <nicholas.bengel@ge.com>; Timothy Ludwig <TLudwig@carolinaeasthealth.com>; Rick Fisher <RFisher@carolinaeasthealth.com>
Cc: Stanelle, Tobias (GE Healthcare) <tobias.stanelle@ge.com>
Subject: EXT: RE: PET change order letter - please sign

ALCON,
Tim is off today. We will get these to him for review approval consideration tomorrow.
Ty,
David