DEPARTMENT OF HEALTH AND HUMAN SERVICES
DIVISION OF HEALTH SERVICE REGULATION

ROY COOPER
GOVERNOR

MANDY COHEN, MD, MPH
SECRETARY

MARK PAYNE
DIRECTOR

March 21, 2018

Kenneth L. Burgess
301 Fayetteville Street, Suite 1900
Raleigh, NC 27601

Exempt from Review – Replacement Equipment

Record #:	**2553**
Facility Name:	Mission Hospital
FID #:	943349
Business Name:	Mission Health System, Inc.
Business #:	1234
Project Description:	Replace existing CT scanner
County:	Buncombe

Dear Mr. Burgess:

The Healthcare Planning and Certificate of Need Section, Division of Health Service Regulation (Agency), determined that based on your letter of March 15, 2018, the above referenced proposal is exempt from certificate of need review in accordance with N.C. Gen. Stat. §131E-184(f). Therefore, you may proceed to acquire without a certificate of need the GE Revolution CT Scanner to replace the GE VCT Scanner. 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 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,

Julie M. Faenza
Project Analyst

Lisa Pitt for
Martha J. Frisone
Chief, Healthcare Planning and
Certificate of Need Section

cc: Construction Section, DHSR
Radiation Protection Section, DHSR
Amy Craddock, Assistant Chief, Healthcare Planning, DHSR
Acute and Home Care Licensure and Certification Section, DHSR

Poyner Spruill LLP

March 15, 2018

Kenneth L. Burgess
Partner
D: 919.783.2917
F: 252.972.7045
kburgess@poynerspruill.com

VIA EMAIL AND HAND DELIVERY

Martha Frisone, Chief
Julie Faenza, Project Analyst
Healthcare Planning and Certificate of Need Section
N.C. Department of Health and Human Services
Division of Health Service Regulation
809 Ruggles Drive
Raleigh, North Carolina 27603

RE: ***Mission Health System, Inc. Notice of Exemption for Replacement of CT Scanner***

Dear Martha and Julie:

Our law firm represents Mission Health System, Inc. ("Mission"), which owns and operates a CT scanner now located in the hospital's Radiology Department on the Mission main campus at the site of the main hospital ("CT Scanner #3"). Mission now desires to replace that CT scanner at the same site within the Radiology Department located on the Mission campus. *See* Exhibit 5, hospital schematic. This letter is to request that the N.C. Department of Health and Human Services, Division of Health Service Regulation, Healthcare Planning and Certificate of Need Section ("the CON Section") confirm that the replacement of the CT scanner on the Mission main campus is exempt from certificate of need ("CON") review within the meaning of N.C. Gen. Stat. §131E-184.

The existing scanner is a single slice GE VCT Scanner (SID 828213VCT). Mission proposes to replace the existing scanner with a Revolution CT Scanner system. *See* Exhibit 2, Letter from John Donovan of GE Healthcare and Exhibit 4, GE Healthcare quotation with system description.

For the reasons set forth below, we believe that Mission's replacement of the existing CT Scanner # 3 is exempt from CON review pursuant to N.C. Gen. Stat. §131E-184(f).

Analysis

The CON Law precludes any person from offering or developing a "new institutional health service" without first obtaining a CON. The definition of "new institutional health service" includes, *inter alia,* the following:

- Incurring an obligation for a capital expenditure that exceeds $2,000,000.00 to develop or expand a health service or health service facility, or which "relates" to the provision of a health service; and

- The acquisition by purchase, donation, lease, transfer or comparable arrangement of "major medical equipment, which is defined as a single unit or single system of components used to provide medical and health services which costs more than $750,000.00, including the costs of

the equipment and all studies, drawings, installation and any other activities essential to acquiring and making the equipment operational.

However, the CON Law contains a specific exemption applicable to "replacement equipment," that costs $2,000,000.00 or more. This exemption, where applicable, eliminates the need to obtain a CON before acquiring and installing the replacement equipment.

The CON Exemption For Replacement Equipment Which Costs More Than Two Million Dollars

The CON Law at N.C. Gen. Stat. §131E-184(f) provides an express exemption for replacement equipment that costs more than $2,000,000.00. Replacement equipment is defined at N.C. Gen. Stat. §131E-176 (22a) as equipment which is "purchased for the sole purpose of replacing comparable medical equipment currently in use which will be sold or otherwise disposed of when replaced."

Replacement equipment is "comparable" to the equipment being replaced if:

1. it has the same technology as the equipment currently in use, although it may possess expanded capabilities due to technological improvements; and

2. it is functionally similar and is used for the same diagnostic or treatment purposes as the equipment currently in use and is not used to provide a new health service; and

3. the acquisition of the equipment does not result in more than a 10% increase in patient charges or per procedure operating expenses within the first twelve months after the replacement equipment is acquired.

10A N.C. Admin. Code 14C .0303(d).

In addition, where the total cost of the replacement equipment exceeds $2,000,000.00, there are two further statutory criteria which apply, as follows:

1. The equipment being replaced is located on the main campus.

2. The Department of Health and Human Services has previously issued a CON for the equipment being replaced, unless a CON was not required at the time the equipment was purchased by the licensed health service facility.

The term "main campus" is defined as the site of the main building from which a licensed health service facility provides clinical patient services and exercises financial and administrative control over the entire facility, including the buildings and grounds adjacent to that main building or other areas and structures which are not strictly contiguous to the main building but are within 250 yards of the main building. N.C. Gen. Stat. §131E-176(14n).

Replacement Of Mission's CT Scanner # 3 Is Exempt From CON Review Under These Authorities

The replacement of CT Scanner # 3 at Mission falls within the parameters of this exemption because:

1. The equipment being replaced is part of the Mission Health system, and is located in the hospital's Radiology Department on the hospital's main campus. *See* Exhibit 1 (Letter from Libby Dore, Executive Director, Radiology Mission Hospital).

2. The equipment being replaced is currently in use at Mission. *See* Exhibit 1.

3. The total estimated cost of the project is $2,159,721.00,[1] placing the project within the terms of the statutory exception set forth at N.C. Gen. Stat. §131E-184(f). *See* Exhibits 3 (Certified Total Capital Cost Worksheet) and 4, Price Quotation from GE Healthcare.

4. The CON Section previously issued a CON for the equipment which is now in use and is being replaced. After a diligent search, Mission has been unable to locate a copy of that CON or any documentation related to issuance thereof.

5. The CT Scanner which will be replaced will be sold or disposed of upon acquisition and installation of the replacement scanner. The existing scanner will be removed by and returned to GE Healthcare. *See* Exhibit 2, letter from John Donovan, Client Executive, GE Healthcare.

6. The CT Scanner being replaced was new when purchased by Mission and is more than three years old. *See* Exhibit 1.

7. The new CT Scanner will have the same capabilities as the scanner being replaced, although it may have additional capabilities due to the advancement of CT Scanner technology, is functionally similar to the existing CT Scanner and will be used for the same diagnostic or treatment purposes as the equipment being replaced. *See* Exhibit 1.

8. The project will not increase patient charges or per procedure operating expenses more than 10% within 12 months of the replacement equipment being acquired. *See* Exhibit 1.

Conclusion

As described above, we believe the proposed replacement of Mission's existing CT Scanner #3 is exempt from CON review and that no CON is required for the project. We respectfully request that you review the attached documentation and confirm that this is the case.

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[1] In calculating construction costs, our clients relied upon prior Agency determinations that the construction costs "essential to acquiring and making operational the replacement equipment" should include only those costs directly related to removing the old equipment, installing the new equipment and making sure that equipment operates properly. In the case of a CT scanner, such cost should include upfit of the CT room related solely to the operation of the CT scanner (e.g., shielding, extra electrical connections), but need not include other construction costs associated with that room. Similarly, the Agency has previously determined that costs associated with the installation of equipment in the control room for the CT scanner should be included only to the extent that those costs would be different from construction related to general office space. Mission Hospitals, Inc. v. NC DHHS, __ N.C.App. ___, 696 S.E.2d 163 (2010).

Poyner Spruill LLP

Please feel free to let me know if you have questions or need additional information regarding this project.

Very truly yours,

for **Kenneth L. Burgess**
Partner

cc: Garrett Schreffler
Don Esposito, Esq.

Attachments

MISSION HEALTH

February 23, 2018

Re: Information/Items Needed for CT scanner #3 Replacement Exemption Letter to CON Section

To whom it may concern:

Mission Hospital will be replacing one CT scanner physically located at the hospital main campus. The CT scanner to be replaced is currently in use. The replacement of this scanner will not result in more than a 10% increase in patient charges or per procedure operating expense within the first twelve months after replacement. The scanner being replaced was purchased new when acquired, and the replacement scanner will also be purchased new. All new functionality associated with the new scanner will be due to advancement of technology.

Sincerely,

Libby Dore
Executive Director, Radiology Mission Hospital
509 Biltmore Avenue
Asheville, NC 28801
Office 828-213-1333
Mobile 919-539-9520
libby.dore@msj.org

EXHIBIT 1

February 19, 2018

Ms. Libby Dorr
Executive Director of Radiology
Mission Health System, Inc
509 Biltmore Avenue
Asheville, NC 28801

Dear Ms. Dorr:

This letter is to inform you that GE Healthcare will be removing the single slice GE VCT Room 3 SID 828213VCT on trade as part of the purchase of the new Revolution CT system. The GE VCT system will be returned to GE Healthcare and will not be reinstalled in the state of NC without the proper CON.

Sincerely,

John Donovan
Client Executive
GE Healthcare
864-415-3886

EXHIBIT
2

PROPOSED TOTAL CAPITAL COST OF PROJECT

Project Name: CT 256 Scanner

Provider/Company: Mission Hospital

A. **Site Costs**			
(1) Full purchase price of land.....			$_____
Acres _____ Price per Acre	$_____		
(2) Closing costs.....			$_____
(3) Site Inspection and Survey.....			$_____
(4) Legal fees and subsoil investigation		$_____	
(5) Site Preparation Costs			
Soil Borings.....	$_____		
Clearing-Earthwork...	$_____		
Fine Grade For Slab...	$_____		
Roads-Paving.....	$_____		
Concrete Sidewalks....	$_____		
Water and Sewer.....	$_____		
Footing Excavation....	$_____		
Footing Backfill.....	$_____		
Termite Treatment....	$_____		
Other (Specify).....	$_____		
Sub-Total Site Preparation Costs		$_____	
(6) Other (Specify)		$_____	
(7) **Sub-Total Site Costs**			$_____
B. **Construction Contract**			
(8) Cost of Materials			
General Requirements	$123,487		
Concrete/Masonry	$_____		
Woods/Doors & Windows/Finishes	$_____		
Thermal & Moisture Protection	$_____		
Equipment/Specialty Items	$_____		
Mechanical/Electrical	$_____		
Other (Specify)	$_____		
Sub-Total Cost of Materials.....		$123,487	
(9) Cost of Labor.....		$82,325	
(10) Other (Specify).....		$9,000	
(11) **Sub-Total Construction Contract**			**$214,812**
C. **Miscellaneous Project Costs**			
(12) Building Purchase.....		$_____	
(13) Fixed Equipment Purchase/Lease		$1,875,404	
(14) Movable Equipment Purchase/Lease		$_____	
(15) Furniture		$_____	
(16) Landscaping		$_____	
(17) Consultant Fees			
Architect and Engineering Fees	$42,505		
Legal Fees.....	$_____		
Market Analysis.....	$_____		
Other (Specify).....	$_____		
Other (Specify).....	$3,000		
Sub-Total Consultant Fees.....		$45,505	
(18) Financing Costs (e.g. Bond, Loan, etc.).		$_____	
(19) Interest During Construction.		$_____	
(20) Other (Specify)		$24,000	
(21) **Sub-Total Miscellaneous..**			**$1,944,909**
(22) **Total Capital Cost of Project** (Sum A-C above)			**$2,159,721**

I certify that, to the best of my knowledge, the above construction related costs of the proposed project named above are complete and correct.

RICHARD T. BEALE REGISTERED ARCHITECT 7897 NORTH CAROLINA RALEIGH NC

_____
(signature of Licensed Architect or Engineer)

I assure that, to the best of my knowledge, the above capital costs for the proposed project are complete and correct and that it is my intent to carry out the proposed project as described.

_____

_____Signature of Office Authorized to Represent Provider/Company)

(Title of Officer)

EXHIBIT 3

GE Healthcare

Date: 08-30-2017
Quote #: PR2-C98100
Version #: 9

Mission Health System Inc
509 Biltmore Ave
Asheville NC 28801-4601

Attn: Gloria Robinson
509 Biltmore Ave Asheville
NC 28801-4601

Customer Number : 87668
Quotation Expiration Date: 09-30-2017

This Agreement (as defined below) is by and between the Customer and the GE Healthcare business ("GE Healthcare"), each as identified herein. "Agreement" is defined as this Quotation and the terms and conditions set forth in either (i) the Governing Agreement identified below or (ii) if no Governing Agreement is identified, the following documents:

1) This Quotation that identifies the Product offerings purchased or licensed by Customer;

2) The following documents, as applicable, if attached to this Quotation: (i) GE Healthcare Warranty(ies); (ii) GE Healthcare Additional Terms and Conditions; (iii) GE Healthcare Product Terms and Conditions; and (iv) GE Healthcare General Terms and Conditions.

In the event of conflict among the foregoing items, the order of precedence is as listed above.

This Quotation is subject to withdrawal by GE Healthcare at any time before acceptance. Customer accepts by signing and returning this Quotation or by otherwise providing evidence of acceptance satisfactory to GE Healthcare. Upon acceptance, this Quotation and the related terms and conditions listed above (or the Governing Agreement, if any) shall constitute the complete and final agreement of the parties relating to the Products identified in this Quotation.

No agreement or understanding, oral or written, in any way purporting to modify this Agreement, whether contained in Customer's purchase order or shipping release forms, or elsewhere, shall be binding unless hereafter agreed to in writing by authorized representatives of both parties.

Governing Agreement:	Mission Master Relationship Agreement
Terms of Delivery:	FOB Destination
Billing Terms:	80% delivery / 20% Installation
Payment Terms:	NET 30
Total Quote Net Selling Price:	$1,875,403.75

INDICATE FORM OF PAYMENT:

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

____Cash/Third Party Loan

____GE HFS Lease

____GE HFS Loan

____Third Party Lease (please identify financing company) _____

By signing below, each party certifies that it (i) has received a complete copy of this Quotation, including the GE Healthcare terms, conditions and warranties, and (ii) has not made any handwritten or electronic 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 duty 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
Kevin Morris — 08-30-2017

Signature — Date

Imaging Account Manager

Email: Kevin.Morris@ge.com
Office: +1 803 608 2460
Mobile: 803-608-2460

EXHIBIT 4

GE Healthcare

Date: 08-30-2017
Quote #: PR2-C98100
Version #: 9

Total Quote Selling Price	**$2,050,403.75**
Trade-In and Other Credits	$175,000.00
Total Quote Net Selling Price	**$1,875,403.75**

To Accept this Quotation

Please sign and return this Quotation together with your Purchase Order To:
Anthony Morris
Office: +1 803 608 2460
Mobile: 803-608-2460
Email: Kevin.Morris@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 HFS Lease or GE HFS 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: 08-30-2017
Quote #: PR2-C98100
Version #: 9

Item No.	Qty	Catalog No.	Description	Contract Price	Discount	Ext Sell Price
	1		**Revolution CT**			
1	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.	Incl.	Incl.	Incl.
2	1	S7929EX	Revolution CT EX Configuration Revolution CT EX configuration is a breakthrough that delivers high-definition image quality and unique clinical capabilities through the convergence of coverage, spatial resolution, temporal resolution and dose performance – all in one. Until now, CT users have had to compromise between systems that could only provide a sub- set of these capabilities. The Revolution CT delivers industry leading technical specifications for a premium CT system, including: • VHD reconstruction, 3D Collimator, and focal aligned detectors provide high-definition image quality, while overcoming the challenges of typical wide detector systems such as cone beam artifacts, HU uniformity, scatter and beam hardening artifacts. • ASiR-V provides integrated advanced iterative reconstruction	$3,600,000.00	54.50%	$1,638,000.00

Item No.	Qty	Catalog No.	Description	Contract Price	Discount	Ext Sell Price

technology that reduces noise and reduces low-signal streak artifact at very low signal levels. This technology is designed to deliver reduced noise levels, improved low contrast detectability and may enable a reduction in dose for all clinical applications. In clinical practice, the use of ASiR-V 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.

Clinical Highlights

(To achieve the full benefits described below, an AW workstation or server with post processing tools may be required. Please consult with your GE sales representative)

Cardiovascular

• One-Beat , High definition, motion free coronary images at any heart

• Whole heart coverage at 160 mm allowing temporal and contrast uniformity across the whole volume.

• Smart Phase: Analyzes the motion of the coronaries throughout the volume to auto-select the best cardiac phase with the least motion.

• SnapShot(TM) Freeze temporal enhanced acquisition: A Intelligent motion correction acquisition technique that is designed to provide

Item No.	Qty	Catalog No.	Description	Contract Price	Discount	Ext Sell Price

a 6x reduction of motion-blur while maintaining high spatial resolution and is demonstrated in cardiac phantom testing. The reduction in motion artifacts is comparable to a 0.058s equivalent gantry rotation speed with effective temporal resolution of 29 msec, as demonstrated in mathematical phantom testing.

• Arrhythmia management: The system can monitor and alert the user to these situations and also recommend turning on a challenging patient mode. This mode avoids scanning during an irregular beat and can further rescan during the next regular beat using the same contrast bolus.

• Best-in-class spatial resolution at 18.2lp/cm in z-direction and 14.8lp/cm in X-Y direction (measured at 2% MTF).
This spatial resolution provides clear images to help the physician with tasks such as accurately quantifying stenosis in coronary and other vascular structures.

• One-Beat, comprehensive cardiac assessment allows for acquiring motion free coronaries, rest or stress perfusion and functional data in a single beat , giving you a comprehensive assessment and potentially reducing the need for additional imaging tests. Integrated beam hardening reduction capabilities allows for accurate

Item No.	Qty	Catalog No.	Description	Contract Price	Discount	Ext Sell Price

perfusion assessment. The ability to perform stress perfusion with motion free CCTA in a single exam can potentially reduce unnecessary dose by not requiring a rest perfusion exam in case no defects are found in the stress perfusion.

• Whole organ dynamic perfusion: This allows perfusion acquisition of the heart or other organs and tissues with uniform contrast along with integrated beam hardening reduction. The scanner also allows for a flexible aperture size and sampling rate during dynamic perfusion acquisitions. Revolution CT also allows for the ability to acquire a prospectively gated dynamic perfusion acquisition of the whole heart using up to 16 cm of coverage.

• The scanner is also capable of 4D imaging to acquire morphology and perfusion information from a single exam. This can help assess conditions such as congenital heart disease and visualize blood flow through vascular structures.

• TAVR planning: Dedicated TAVR/TAVI protocols allow for mixed acquisitions of the heart, aorta, and femoral arteries, with ECG-gated axial scans and non-ECG- gated axial or helical scans, using only one injection of contrast media, covering 700 mm of anatomy in less than 10 seconds.

• Calcium Scoring: The system also allows single beat acquisition for

Item No.	Qty	Catalog No.	Description	Contract Price	Discount	Ext Sell Price

cardiac calcium scoring

• Triple RuleOut™: The system allows for robust Triple Rule Out studies with motion free coronaries, PE & aorta evaluation in a single exam. The system can cover the entire thorax anatomy in less than three seconds to provide contrast uniformity at low dose.

Neurology highlights

• Routine non-contrast whole brain scans can be performed in a single rotation without moving the table. VHD reconstruction technology ensures CT number uniformity across the whole brain coverage. Iterative MMAR can reduce the beam hardening artefacts at bone / brain interface and posterior fossa region. Enhanced Contrast can achieve excellent grey white matter differentiation.

• Smart Stroke, the stroke-dedicated hardware, software and post-processing solution on Revolution CT, can help physicians to reduce "CT scan-to-report" time and "door-to-treatment" time, thus to save more brain tissue of patient with stroke. (Post processing solutions are optional purchases)

• Whole brain CT perfusion with 70kVp, ASiR-V, smart collimation and variable sampling can acquire temporally uniform dynamic blood flow information to achieve accurate volumetric perfusion values at lower dose.

Item No.	Qty	Catalog No.	Description	Contract Price	Discount	Ext Sell Price

• Single phase or dynamic 4D whole brain CTA can be acquired within a single exam of whole brain CT perfusion to achieve comprehensive functional and anatomical assessment of the brain.

Body highlights

• Whole organ diagnosis and follow-up of organs such as the liver, kidneys, and pancreas is enabled by dynamic acquisition modes. The scanner can also acquire multiple images at the same location over time to provide a 4D view to assess vascular flow to these organs.

• Fast body scans enabled by multi-volume 16cm acquisition with excellent image quality allows for reduced breath hold times and shallow breathing. Dose is minimized through the ability to select collimations between 5 mm and 160 mm personalized to each patient.

• Low Dose Lung Cancer Screening protocols

Emergency & Trauma

• The system allows for robust Triple RuleOut™ acquisition for all patients providing One-Beat , high definition, motion free coronaries, PE and aortic dissection in a single exam covering the entire thorax in less than three seconds. ECG gating and mA modulation along with flexible collimations enable low dose acquisition personalized to the patient.

• Flexible scanning modes with 160

Item No.	Qty	Catalog No.	Description	Contract Price	Discount	Ext Sell Price

mm axial scan, 80 mm helical scan, table speeds as fast as 300 mm/s, and short inter-group scan delay allows for ultra-fast and versatile whole body and multi-group scanning, thus reducing the effect of breathing and other motion during the poly trauma scan.

• Smart Trauma with clinical ID can enable recon priority for trauma scans, prospective DMPR settings and faster reconstruction throughput.

Pediatrics

• Split second pediatric trauma acquisition of abdomen/pelvis is enabled by wide 160 mm z-coverage, thus reducing the need for sedation and eliminating unnecessary repetition of rescanning young children due to failed sedation, as is the case in 29% of conventional exams, shown in a large trial (British Journal of Anesthesia, 84 (6), 743-8 (2000))

• 70kV scan mode allows for minimizing dose to pediatric patients while preserving excellent contrast to noise ratio and image quality.

Musculoskeletal Imaging

• The Revolution CT can acquire high definition images of the bone with excellent details. Multi-Material Artifact Reduction (MMAR) technology can significantly reduce artifacts from metal objects such as screws and plates.

• 4D dynamic imaging mode can acquire kinetic studies to assess joint

Item No.	Qty	Catalog No.	Description	Contract Price	Discount	Ext Sell Price

articulation up to 16cm coverage.

Dual Energy Capability

Revolution CT features protocols which allow easy configuration of back to back Axial or helical scans of the same anatomy my at two different X-ray energies (kVp's). To further improve registration accuracy patient immobilization may be utilized. The additionally acquired dual energy data can be post-processed on AW Workstation using Add/Sub function to gain additional clinical information.

Key Hardware Components

Gemstone Clarity Detector

The Gemstone Clarity detector features a unique focally aligned layout of the detector sub-modules and a 3D collimator (post patient) to minimize scatter artifacts, ensure HU uniformity & reduce beam hardening artifacts associated with wide coverage systems. Combined with VHD reconstruction technology, the system delivers excellent image quality at full 160 mm coverage to enable whole organ imaging. The Gemstone Clarity detector also features a revolutionary ultra-low capacitance photo diode with new ASIC technology that redefines electronic noise at the quantum limit to less than 3 photons @ 120 keV (3100 electrons). The detector includes acquisition electronics which allow 4x faster bandwidth and 3x faster trigger rate than previous

Item No.	Qty	Catalog No.	Description	Contract Price	Discount	Ext Sell Price

generations and reduces electronic noise by 25% which may improve image quality and reduce artifacts in low signal conditions as may be encountered in large patients. 3D Collimator Scatter Reduction Technology reduces scatter to primary ratio by more than 50% (R Melnyk, J Boudry, X Liu, and M Adamak, "Anti-scatter grid evaluation for wide- cone CT," Proc. of SPIE, Vol. 9033, 90332P1-7, 2014) and results in significant improvement in image quality and reduction in beam hardening and metal artifacts.

Gemstone Clarity detector specifications:

- Z-Coverage/360 degree rotation: 160 mm
- Number of slices: 512
- Number of detector rows: 256
- Number of detector elements: 212,992 cells with individual electronic/DAS channels
- Sampling rate: Up to 2,496 views per rotation (Up to 8914 Hz)
- Electronic noise: less than 3 photons noise (3100 electrons)
- Effective analog to digital conversion range >2,000,000:1
- Scintillator speed: 0.03us (100 times faster than GOS)
- Afterglow: 0.001% (4 times lower than GOS)
- Radiation damage: 0.03% (20 times less than GOS)
- Scatter to Primary Ratio: <10%

Item No.	Qty	Catalog No.	Description	Contract Price	Discount	Ext Sell Price

• Detection efficiency: 98% @ 120 kV

Performix HDw tube

The Performix HDw tube is a next generation anode-grounded, metal-ceramic x-ray tube. The tube enables improved spatial resolution via dynamic in-plane focal spot deflection and independent control of the focal spot size in both X and Z-axis which optimizes the focal spot to deliver consistent beam quality across the full 160 mm Z-axis coverage, making it one of the most innovative CT tubes offered today. The design is optimized for exams requiring a large number of scans without tube cooling. It is powered by an onboard high frequency generator capable of ultra-fast kVp switching. Due to the ultrashort exposure times associated with wide coverage scanning, traditional metrics related to tube cooling such as anode heat content & cooling rate lose their relevance. The GE Performix HDw tube includes a standard license that automatically enables the use of tube dependent advanced applications. The use of a third party X-ray tube will require an additional license for the activation of these features.

Ultra-fast kV Switching Generator

The new generator features 3x faster rise and fall times for kV switching compared to previous generator. This would allow for more time to be spent at the target energy levels and result in better energy separation

Item No.	Qty	Catalog No.	Description	Contract Price	Discount	Ext Sell Price

between the datasets acquired at different kV levels using fast kV switching.

• Generator maximum peak power: 103 kW

• Tube current range: 10-740 mA with 5 mA increments

• Tube voltage: 70, 80, 100, 120, 140 kV. Automatically selected through kV Assist based on patient body habitus and examination type

• Max x-ray tube assembly heat content: 5.0 MJ (6.8 MHU)

• Max continuous heat dissipation: 3.0 kW

• Focal spot size according to IEC 60336/2005: 1.0 x 0.7mm, 1.6 x 1.2mm, 2.0x1.2mm

Gantry and Slipring

Revolution CT's gantry platform has been designed from the ground up to support the demands of today's scanning environment. Exclusive Whisper Drive system technology reduces audible noise during gantry rotation at 0.28s by more than 50% compared to a typical belt driven system thus improving patient comfort (audible gantry noise is measured at 69 dBA).

The contactless slipring transfers power and data to and from the rotating side of the gantry (slip ring) to the stationary side through contactless RF technology. This eliminates carbon dust due to brush wear- out in typical CT systems thereby increasing the reliability of

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the system. In addition, the gantry frame features redundant fail-safe mounts for all major components that is designed and tested to stringent standards to ensure safe and reliable operation even at fast rotation speeds.

- Aperture: 80 cm
- Focus-to- detector Distance: 109.7 cm
- Focus-to- isocenter Distance: 62.6 cm
- Scan FOV: 50 cm
- Rotation speeds: 0.28s, 0.35s, 0.5s, 0.6s, 0.7s, 0.8s, 0.9s, 1.0s per 360° acquisition
- Temporal resolution: 140ms cardiac temporal resolution without using SnapShot Freeze. 29ms effective temporal resolution using SnapShot Freeze.(As demonstrated in mathematical phantom testing)(AW workstation or server with CardIQ Xpress 2.0 required to process SnapShot Freeze data)
- Data chain bandwidth: 40 Gbps
- Table and gantry control panels: Define both internal and external scan planes to +/- 1 mm accuracy. Activated any time during exam (with tube stationary)
- Front and rear integrated gantry LCD Display: Display patient information, ECG data from the integrated ECG module, built-in patient breathing lights and countdown timer, cardiac gating

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			indicator light and patient information videos • Flexible cable manage system with coordinated straps attached to the gantry sides to keep cables connected to the gantry away from the floor and to reduce clutter Operator Console The Revolution CT scanner desktop allows simultaneous scanning, image reconstruction, display, processing and analysis, as well as networking and archival. It features the new "Clarity Operator Environment" designed with your everyday needs in mind. The environment allows for more real time adaptive capabilities thus enabling dramatical- ly improved timing with Smart Prep including automatically transitioning to acquisition in as quickly as 1 second when the set HU threshold is reached. The benefits provided by the new interface include: • Smart prescription workflow automates scan set up by recommending scan parameters specific to the patient based on scout attenuation and ECG information, in the case of cardiac, to enable consistent image quality & dose performance across scans, irrespective of the technologist expertise level • Seamless multi-tasking through ability to have multiple patient sessions open with one active patient			

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for acquisition and the rest for post-acquisition tasks

- "Plan ahead" task list as part of scan setup automates repetitive tasks such as reconstructions, image transfer, image processing, etc. without requiring technologist intervention
- Ability to prospectively prescribe multi planar reconstructions for anatomies such as spine as part of the protocol, thus automating the workflow seamlessly
- Clear status visibility across all automated patient tasks without any interaction enables you to focus on the primary task at hand
- Manage your patient flow better with the ability to pre- pare scan prescription for the next patient while the current patient is getting off the table
- Quickly select scan protocols through global search, anatomical selection or user specific favorites in the newly designed protocol management system
- Facilitates protocol consistency by controlling access to changes and simplifying inputs required
- Integration with AW allows prescribing automatic image processing steps to be performed on the AW / AW Server post acquisition
- Better dose awareness through clearly visible real time projected dose indicator for the selected

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protocol

Operator console specifications

- Intel Xeon performance processor: 2.60GHz/8-Core CPU (or equivalent)
- Nvidia high performance GPU (or equivalent)
- 64 GB DDR3 unbuffered ECC (or equivalent)
- 24 inch dual monitors with screen resolution of 1920x1200
- Image data storage up to 700,000 uncompressed DICOM images (512x512)
- Scan data storage of 1 TB (up to 1500 scan files are supported)
- DVD-ROM (supports DVD-R, DVD-RW, DVD+R, DVD+RW, DVD+R DL, CD-R, CD- RW)
- USB 3.0 Port for External Hard Disk Drive Connectivity (scan data storage and image data storage are supported)
- Recon Server Xtream enables recon task parallelism and achieves up to 1.8x faster reconstruction throughput than Recon Server Pro
- Image reconstruction speed up to 65 fps with FBP and up to 25 fps with ASiR-V.

System Software

Smart Flow

Simplified, automated scan prescriptions, personalized to the patient and easy-to-use reference protocols make the Revolution CT fast and efficient in patient set-up, prescription & scanning. The

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following features further help you streamline your workflow.
Protocol Management System

Protocols can be copied, built and edited intuitively using the Protocol Management System.

• GE Reference Protocol: A set of predefined protocols for adult patients that cannot be modified but can be copied and used. These protocols are factory installed. They have been developed in collaboration with clinical partners to provide users with a convenient and clinical relevant starting point for tailoring your departmental protocols.

• Recently Scanned Protocols: A copy of the last 90 proto- cols reside exactly as they were used for review purposes only. These protocols can also be copied and used within into your departmental protocols.

• Anatomical Selector: Use the Anatomical Selector area to select a specific anatomical region to show only protocols related to that region.

• Favorites: A user can add to a list of favorite protocols commonly used by your site.
Clinical ID

Clinical ID is designed to streamline the clinical application specific workflow from protocol setup to reconstruction prioritization and automated reformatted views for timely diagnostic decisions.
AutoVoice™

Auto Voice provides recorded

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breathing instructions for the patient. Consistent breathing instructions assist with more precise timing during an exam. Auto Voice also provides a pre- message in the SmartPrep feature. The system also comes equipped with microphones at the console and gantry for communicating with the patient. The system has three, pre-recorded messages in ten selectable languages that cannot be deleted. You can also record up to 17 additional messages for each language. Default language options include: Chinese, English (Female) , English (Male), French, German, Italian, Korean, Japanese, Spanish (European), Spanish (Latin America).

Smart Patient Centering

The smart patient centering feature helps to detect suboptimal centering prior to the diagnostic scan. When scout is acquired, the system will assess patient centering. If the patient is off-centered greater than 2 cm, the system will display the table height location and an up or down arrow to indicate the elevation needed to reach that height.

SmartStart (TM)

• Gantry-mounted start scan button and countdown dis- play,

• Facilitates single-technologist operation by allowing start of scan at the gantry, with a visual reminder of time until X-ray initiation

SmartPrep ™ with Dynamic

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			Transition Enables real-time monitoring of IV contrast and a user-selectable mode to dynamically transition to the diagnostic scan phase when a user entered Enhancement Threshold is reached in the Transition ROI. Trauma Patient entry Allows patient scans and image display/analysis without entering patient data before scanning. Prospective Exam Split Prospective Exam Split allows operator to specify how to split images from a scan into separate requested procedures/accession numbers in protocol management. This capability is especially useful in cases of full body trauma or for chest, abdomen and pelvis exams. Prospective Exam Split works with primary, secondary and reformatted images. Smart DMPR Smart DMPR can automatically generate reformatted views with prospectively set window width and window level and automatically transferring these image datasets to the designated PACS destination for fast review and diagnosis. Digital Tilt The system has preset protocols that can be selected prospectively, which allows images to be reconstructed at a specified tilt angle. This capability, combined with organ dose modulation and tilted head holder			

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accessory for the patient allows for reducing the dose to sensitive organs such as the eyes while also reducing dental artifacts.

Enhanced Xtream Injector (Requires a compatible Bayer or Nemoto Injector system)

The Enhanced Xtream Injector provides synchronization of the start of the scan and the start of the contrast injector using the start scan button on the Scan Control Interface or the gantry controls. The Enhanced Xtream Injector also allows setting of the contrast injector parameters within the CT scan protocol and creation of an Injector Report at End Exam of what was delivered by the injector. The system and injector are operated independently after the start scan button is pressed on the system.

System Software

Volume High Definition Reconstruction

The system features state of the art image reconstruction technology designed to mitigate cone beam artifacts associated with wide coverage systems. In addition, the algorithm preserves temporal uniformity and provides excellent image quality at full 160 mm coverage. It further reduces variation in iodinated contrast HU uniformity across the full 160 mm Z coverage, typically caused due to heel effect. In addition, Multi-Material Artifact

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Reduction (MMAR) technology utilizes material physics learnings from GSI incorporated in single energy acquisition. In conjunction with the 3D Collimator, this reduces beam hardening artifacts due to iron, bone, metal & other dense objects.

Iterative Reconstruction: ASiR-V

Integrated advanced iterative reconstruction technology (ASiR-V) reduces noise, even at very low signal levels. The ASiR- V algorithm focuses primarily on the modeling of the system noise statistics, objects, and physics and de-emphasizes the modeling of the system optics. The most time-consuming portion of the IR process is the modeling of the system optics. By excluding the most time-consuming component, system optics, and focusing on the other terms during the IR process, significant image quality improvement can be achieved with-out paying a large penalty in reconstruction speed. The advanced system noise model includes the modeling of the data acquisition system (photon noise and electronic noise) as well as noise characteristics of the reconstructed images. The photon noise model includes characterization of the photon statistics as it propagates through the imaging chain. The modeling of the reconstructed image noise includes characterization of the scanned object, using information obtained from extensive phantom

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and clinical data. This technology is designed to deliver reduced noise levels, improved low contrast detectability and may enable up to 82% reduction in dose when compared to FBP for all clinical applications.

Smart Dose technologies
Automatic Exposure Control (AEC)

AEC is a versatile and powerful tool designed to tailor the scanner's radiation output to each patient based on the patient's size, age, shape and attenuation and the user's re- quested level of image noise/quality criterion. AEC technology uses estimated patient attenuation values to adjust the mA dynamically in order to achieve the requested level of image noise/quality criterion.

3D Dose Modulation Utilizing SmartmA

Volumetric knowledge prior to scanning allows you to personalize protocols and optimize dose for every patient, large and small. During the scan, real-time, 3D dose modulation helps deliver consistent image quality because it automatically accounts for the changing dimensions of your patient's anatomy. In addition, the system provides guidance to assist in centering the patient to maximize the benefit of mA modulation.

Organ Dose Modulation

Organ Dose Modulation (ODM) builds

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on the SmartmA feature to enable even further patient dose reduction. By reducing the mA exposure profile as a function of the X-ray tube angle, radiosensitive organs towards the anterior surface of the patient, such as the eyes, breasts and thorax, can benefit from enhanced dose reduction while the overall image noise is still maintained.

kV Assist

kV Assist makes it easy to select optimal kV settings for the patient being scanned. It recommends tube voltage and current to achieve the lowest dose while meeting desired image quality goals.

70 kV Scanning

70 kVp scan mode enables low dose pediatric and small patient scans

CG Modulated mA

For cardiac applications, prospective ECG dose modulation automatically adjusts the mA to minimize the patient's exposure to X-rays – reducing mA, and thus dose, near the beginning and end of each prescribed phase range. Up to 3 phase ranges are selected within a heart cycle with different mA levels. The peak mA for the first phase range is automatically determined based on noise index set by the user. The user can also select the relative mA level for an optional second or third phase range, set as a percent of the mA level of the first phase range. This provides clear images and allows you

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to reduce dose yet provides motion free, high quality images for functional and anatomical analysis within a heart cycle
Color Coding for Kids

Based on the Broselow-Luten Pediatric System, the Color Coding for Kids was developed to help operator to select the correct pediatric CT protocol. The system divides the protocols into nine color zones based on height and weight, and incrementally increases scan technique as the patient's size increases. This arrangement of protocols assists you in reducing the variations in pediatric protocol selection. If the patient weight is unavailable, a Broselow-Luten Tape can also be used to obtain the weight based on the length.

Smart Dose technologies

• Smart Track: Advanced hardware and software for X-ray beam tracking minimizes patient dose.

• Smart Beam: Optimizes X-ray beam filtration independently for body, head, and cardiac applications.

• Soft Shutter: This capability reduces the over-beaming dose in helical scans by using an advanced reconstruction algorithm for helical scans that makes better use of acquired data through intelligent view weighting and back projection.

• Dose Check: Provides the user with tools to help them manage CT dose in clinical practice and is based on the

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standard XR-25-2010 published by The Association of Electrical and Medical Imag- ing Equipment Manufacturers Association (NEMA). Dose Check provides the following:

o Checking against a Notification Value if the estimated dose for the scan is above your site established value

o Checking against an Alert Value where the user needs spe- cific authority to continue the scan at the current estimated dose without changing the scan parameters if the estimated dose exceeds the alert value

o The ability to define Alert Values for Adult and Pediatric with age threshold

o Audit Logging and Review capabilities

o Protocol Change Control capabilities provided by robust protocol management interface

- DoseWatch Explore is an introductory dose management software application that provides you secure access, via any PC with internet access, to dose and protocol data from this system. An InSite connection to the system and completion of the registration process is required to use the DoseWatch Explore application. For US and Canadian Customers, this quotation includes access to the DoseWatch Explore application for a period of time concurrent with the

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system warranty.

• Dose Computation, Display & Reporting: CTDIvol (CTDI volume), DLP (Dose Length Product), and Dose Efficiency computation and display during scan prescription provide dose information to the operator. Dose Reporting saves the CTDIvol, DLP, and phantom type in a DICOM Structured Dose Report and a secondary screen cap- ture. Series and cumulative exam values are saved. Saved values can be networked or archived.
DICOM Interchange

DICOM Interchange allows the saving of any image from the database, along with a PC viewer using Internet Explorer, to a CD-R or DVD-R without marking the exam/series or image as archived for exam transfer between stations that are not networked or pass along to referring physicians or patients. For detailed information, please reference DICOM conformance statement.

• DICOM Storage Service Class

• Service Class User (SCU) for image send

• Service Class Provider (SCP) for image receive

• Service Class User (SCU) for storage commitment

• DICOM Query/Retrieve Service Class

• DICOM Modality Worklist

• DICOM Modality Performed Procedure Step

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			Image Networking Exams can be selected and moved between the Revolution CT and any imaging system supporting the DICOM protocol for network send, receive and pull/query. Image transfer time using DICOM protocols is > 16fps on a 1000baseT network. Warranty: The published Company warranty in effect on the date of shipment shall apply. The Company reserves the right to make changes. All specifications are subject to change. Regulatory Compliance: This product is designed to comply with applicable standards under the Radiation Control for Health and Safety Act of 1968. Laser alignment devices contained within this product are appropriately labeled according to the requirements of the Center for Devices and Radiological Health. This product complies with the performance standards of 21 CFR, sub-chapter J, and the applicable IEC 60601-1 series. This product complies with NEMA Standard XR29-2013 / MITA Smart Dose Standard. See the Pre-Installation manual for details of the siting requirements for GE Revolution CT.			
3	1	B7918EN	Rev CT English keyboard English keyboard	Incl.	Incl.	Incl.
4	1	B7919AE	REVOLUTION STD CABLE SET Standard cable set for Revolution CT	Incl.	Incl.	Incl.

Item No.	Qty	Catalog No.	Description	Contract Price	Discount	Ext Sell Price
			system			
5	1	B7919GM	Revolution CT heavy table with X-strong foot-switch cover The heavy table has been designed with 10x more stiffness to reduce deflection and provide the best possible images under 675 lbs (306 kg) load load. The X-strong foot switch cover, capable of supporting 1350 lbs (612 kg) load, has been specially designed for ER settings to support physicians or technologies to stand atop of it to implement diagnostic and/or treatment procedures to patients. The heavy table also features: # Maximal metal free horizontal scannable range: 2000 mm # X-strong foot switch cover, capable of supporting 1350 lbs # Maximal horizontal travel speed: 300 mm/s (standard) (437.5 mm/s optional with Hyperdrive) # Horizontal positioning accuracy +/- 0.25 mm from any direction # Motor-driven table height adjustment from min. 550 mm to max. 1030 mm # Maximal vertical travel speed: 40 mm/s # Control elements on both sides on front and rear gantry control panels. Table height can be controlled alternatively by means of foot switch (2 each on both sides of the patient table)	$60,000.00	54.50%	$27,300.00

Item No.	Qty	Catalog No.	Description	Contract Price	Discount	Ext Sell Price
			# Integrated ECG module with waveform and configuration through the gantry display # Workflow hub area with a see-through tray to give you the most flexibility in placing scanning related supplies, etc. without limiting visibility to the integrated ECG inputs. # IV Pole integrated at the foot-end of the table helps to prevent IV lines from becoming crossed and tangled, and helps keep lines in place during patient table travel.			
6	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, qualifiedi 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.ii All new GE 64-slice and greater CT scanners, and virtually all of the	Incl.	Incl.	Incl.

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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.
ii Moyer V. Screening for Lung Cancer: U.S. Preventive Services Task Force Recommendation Statement.

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			Ann Intern Med. 2014;160:330-338. http://www.uspreventiveservicestaskforce.org/Page/Document/RecommendationStatementFinal/lung			
7	1	B75012BE	ENHANCED XTRM INJECTOR SW ENHANCED XTRM INJECTOR SW	$20,000.00	54.50%	$9,100.00
8	1	B7919FX	HyperDrive on Revolution CT HyperDrive is an unmatched high pitch scan mode on Revolution CT that combined wide coverage acquisition with high pitch helical techniques to achieve speeds up to 437mm/s with uncompromised 50 cm field of view and image quality. This additional scan mode is especially beneficial in trauma or pediatrics environments.	$10,000.00	54.50%	$4,550.00
9	1	B7660B	Chair Chair for CT scanner	$300.00	54.50%	$136.50
10	1	B7919AY	Revolution Desk - Adjustable Revolution Desk - Adjustable	$1,700.00	54.50%	$773.50
11	1	B75342CA	Coronal Head Holder Coronal Head Holder.	$500.00	54.50%	$227.50
12	1	B7919GH	Rear Gantry Display Optional Revolution CT rear gantry display showing patient information, patient comforting videos, and current scan parameters such as kV, mA, scan time, table position, heart rate and ECG trace (from integrated ECG module)	$5,000.00	54.50%	$2,275.00
13	1	B77292CA	CT Service Cabinet Service cabinet for system	Incl.	Incl.	Incl.

Item No.	Qty	Catalog No.	Description	Contract Price	Discount	Ext Sell Price
			accessories storage			
14	1	E4502KW	Full UPS Solution for VCT 160 KVA Full System UPS Solution for CT (Includes Bypass Panel) This Uninterruptible Power System (UPS) for GE Healthcare is a double-conversion UPS that resolves utility power problems and supplies clean, continuous, uninterruptible power to connected equipment. FEATURES/BENEFITS • Scalable for capacity and redundancy to meet present and future power needs • Small system footprint and the flexibility to install against walls, using top or bottom entry cabling. Occupies a small footprint and is truely front access only installation and maintenance. NOTES: • Customer is responsible for rigging and arranging for installation with a certified electrician • ITEM IS NON-RETURNABLE AND NON-REFUNDABLE	$101,499.00	20.00%	$81,199.20
15	1	E4502AE	125A Main Disconnect Panel (US) The 125 Amp CT System Main Disconnect Panel (MDP) serves as the main facility power disconnect source installed ahead of the system PDU. The MDP will disconnect system	$9,961.00	20.00%	$7,968.80

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power on first loss of incoming power, helping to prevent damage to system components. It also includes an automatic restart control circuit which restores power to the CT System PDU after a power outage.

- Can reduce installation time and cost by eliminating delays in obtaining individually enclosed components and on site assembly (ex: main circuit breaker, feeder overcurrent devices, magnetic contactors and UPS emergency power off are combined into a single panel
- Configuration flexibility - can be used as a stand-alone main disconnect or with the optional partial system UPS. (On systems where the optional partial system UPS is used the main disconnect panel also provides NEC mandated emergency power off control to both the PDU and UPS
- Designed and tested for GEHC CT products

SPECIFICATIONS

- Automatic restart incorporates an adjustable time delay to delay main power until the power has stabilized for 5 seconds
- One flush wall mounted remote emergency off pushbutton furnished with each system

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			• UL, cUL and CE labeled			
16	1	E8007PJ	OCS III Mounting Plate OCS III Mounting Plate	$650.00	20.00%	$520.00
17	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 • Colour touch screen • Either ceiling counterpoise or pedestal-mount configurations	$67,640.00	20.00%	$54,112.00

Item No.	Qty	Catalog No.	Description	Contract Price	Discount	Ext Sell Price
			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			

Item No.	Qty	Catalog No.	Description	Contract Price	Discount	Ext Sell Price
			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 • 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			

Item No.	Qty	Catalog No.	Description	Contract Price	Discount	Ext Sell Price
			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) • Base Unit: 29.2 cm (11.5") H x 27.9 cm (11.0") W x 22.2 cm (8.8") D			
18	1	E8016DA	TABLE SLICKER FOR CT REVO The GEHC Revolution CT table slicker is specifically designed to maximize contaminant protection. Manufactured to be used in conjunction with the table restraining belts, this slicker adds versatility to	$450.00	20.00%	$360.00

Item No.	Qty	Catalog No.	Description	Contract Price	Discount	Ext Sell Price
			your CT procedures. Latex free, it is strongly suggested that the slicker is cleaned with a water/bleach solutioj prior to every procedure. Features: • Table gray cushion sealed in vinyl slicker Dimension 2403 x 788 • Table extender gray cushion sealed in vinyl slicker Dimension 406 x 788 • Cover for catheter bag hanger • Increase system uptime by protecting table from spills and particulate contaminants • Easy to install and comfortable for patients • Will not interfere with normal operation of CT table • Clear PVC plastic facilitates faster cleanup of blood and fluids • Prevents contaminant build up in hard to clean areas • Thermosealed seams and flaps • Recommended for trauma centers and sites concerned about exposure to blood and fluid-borne disease			
19	1	E8016DC	FOOT SLICKER FOR CT REVOL The GEHC Revolution CT Foot Switch slicker is specifically designed to maximize contaminant protection. Latex free, it is strongly suggested that the slicker is cleaned with a water/bleach solutioj prior to every	$75.00	20.00%	$60.00

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			procedure.			
20	1	W0140CT	Revolution CT Core Training Package (New to Revolution CT) Revolution CT Core Training Package (New to Revolution CT) Training designed for users new to Revolution CT; package includes HQ, onsite and remote training options. Training package includes console simulator user interface overview and protocol building, go-live, follow-up, and advanced training over the course of 24 onsite days 1 HQ class, 8 TVA hours; additional online and remote training is also included. Program concludes two years after the initial start date. Instruction is provided from 8 AM to 5 PM, Monday through Friday and includes T&L expenses.	$53,700.00	0.00%	$53,700.00
21	1	W0001VT	Virtual Onsite Trainer 10 Weeks Licensed access for users to the online and mobile scheduling platform. Loaned use of the Virtual Onsite Trainer (VOT) mobile telepresence platform for GE experts to provide training sessions remotely. Includes access to 40 training sessions, delivered via the VOT by GE experts. A training session is one instance of a GE expert connecting to the VOT system with a duration of 30 to 60 minutes. There is no limit to number of attendees. 10-week access to all VOT features, begins at product	$13,850.00	0.00%	$13,850.00

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			delivery and GE Healthcare's obligation to provide VOT training expires without refund thereafter. Shipping the VOT to and from the site, remote set up, installation and tech support is included during the 10-week duration. VOT storage and maintenance of operable condition is the responsibility of the customer.			
22	1	R21013AC	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.	Incl.	Incl.	Incl.
	1		**AW Server 3x2**			
23	1	M81601BM	AW Server 3.2 Ext 1 XL AW Server 3.2 Ext 1 XL The AW Server delivers distributed 3D visualization capabilities throughout the enterprise and at any remote reading location. It utilizes state-of-the-art thin client technology to convert virtually any PC to a high-end 3D post processing station. In addition to this, it serves as a workflow engine enabling optimal collaboration among physicians and allows 3D visualization to be leveraged easily to diagnose	$299,750.00	63.50%	$109,408.75

Item No.	Qty	Catalog No.	Description	Contract Price	Discount	Ext Sell Price

diseases quickly and make sound decisions. The AW Server also enables faster turnaround of post-processed results to referring physicians by allowing them to access the data instantly, while maintaining security and privacy of patient data.

The AW Server includes a vendor neutral OpenAPI PACS integration interface that enables launching the AW Server client from a variety of PACS software, both GE Healthcare provided and 3rd party. This capability supports passing the patient context to the client and even the application desired to be launched, so that time is saved and applications can be launched directly into the most relevant layout. This functionality may require work on the part of the PACS workstation or third party software provider.

The following capabilities are included in this catalog:

- AW Server client software which may be deployed to an unlimited number of systems by simply downloading the client application from the AW Server's web interface.
- Support for 50 concurrent users of 2D tools of which 6 may run 3D advanced applications
- Up to 80,000 concurrent (equivalent to 512x512 CT) slices shared between users

Item No.	Qty	Catalog No.	Description	Contract Price	Discount	Ext Sell Price

- 6 concurrent Volume Viewer licenses
- Support for additional VolumeShare 7 based advanced applications which require separate purchased license(s)
- Support for multiple instances of GSI Viewer (requires optional license purchase, limited by available slices).
- Accessories for mounting hardware in your data center rack. Please refer to AW Server site requirements document for details on rack space needed.

Key features:

- Access to 3D visualization capabilities including MIP/MPR/VR, segmentation, fly through and PET/CT
- "Smart Compression" technology automatically displays full fidelity static images even when compression is turned on for increased interactivity. This allows for full fidelity static images even at low bandwidth. On-image visual indicators notify user when compression is in effect.
- Intuitive work list interface with custom work lists, easy access to priors and exam states.
- Programmable ability to automatically push saved

Item No.	Qty	Catalog No.	Description	Contract Price	Discount	Ext Sell Price

results to a DICOM host such as PACS when closing a session.

- Optional pre-processing capability to automatically process exams in background based on preset rules, minimizing wait time and keeping exams ready to read.
- Ability to open up to 3 simultaneous application sessions per active user and instantly switch between these sessions.
- Ability to save the state of post processing any time and restore it from any client, allowing multiple radiologists or technologists to contribute to post processing results.
- Ability to float application licenses between AW workstations (requires VolumeShare 2 or later) and one or more AW Server(s)
- Enterprise directory integration for single sign on user authentication with audit trails.
- Open API for PACS integration

Performance and intended uses:

Performance and interactivity on client PC's depend on the network bandwidth, latency and client PC configuration. To attain optimal performance, minimum bandwidth required is 40Mbps (LAN) with a latency of 20ms or lower. The server may be used over WAN/Internet as

Item No.	Qty	Catalog No.	Description	Contract Price	Discount	Ext Sell Price

well although performance will heavily depend on round trip latency between client PC and server. A minimum of 3Mbps bandwidth is required.

The server supports various compression levels selectable by user. The "Smart Compression" technology applies selected compression level only when user is interacting with the images to optimize performance. The images are automatically displayed at full fidelity once interaction stops. Clear visual indication on the images indicates any time compression is being applied to the images. A minimum of 3Mbps bandwidth per client with latency less than 35ms is recommended for reasonable performance when compression is used.

Specifications:

AW Server software is packaged as a turnkey solution that includes off-the shelf enterprise class hardware for optimal performance.

Server Hardware and O/S:

- 4 eight-core Intel Xeon E5 4617 CPU's.
- 256GB RAM.
- Mirrored 146GB disk for OS.
- 1 Gbps NIC for DICOM and client traffic.
- Dedicated Embedded Lights Out Manager (LOM).

Item No.	Qty	Catalog No.	Description	Contract Price	Discount	Ext Sell Price

- Fully redundant power and cooling.
- Rack-mount (4U) server.
- Operating System: GE HELiOS 6.6
- 6TB of direct attached image storage.

Client PC requirements:

It is the customer's responsibility to make sure every client PC meets these minimum specifications for optimal performance.

Hardware:

- Processor: 2.2 GHz Pentium 4 minimum (or equivalent); Dual core processors recommended.
- Memory: 1024 MB minimum.
- Disk drive: 250MB free space available.
- Screen resolution 1024H x 768V minimum with full color (32 bit) (1280H x 1024V or more recommended). Symmetric dual monitors up to a total of 6 MP are supported with 4 MP recommended for optimal performance
- Network card 100 Mbps minimum (1000 Mbps recommended).
- Internet connection. Customer provided IPSEC VPN, for internet/WAN operation.
- Mouse: Two or three-button mouse. Three button mouse suggested for best use of

Item No.	Qty	Catalog No.	Description	Contract Price	Discount	Ext Sell Price
			functions. Software: • Windows 7 SP1 32 and 64 bit • Windows 8.1 32 and 64 bit • Mac Parallels (Mac OS X 10.10, Parallels 10, Windows 7 SP1 32/64 bit, Windows 8.1 32/64 bit) Installation Includes: • Site readiness survey • Installation of Enterprise OS. • Installation of GE Healthcare applications software. • Configuration of active directory (if required). • Configuration of up to 5 DICOM hosts provided prior to installation. • Installation of one client for purposes of server testing and applications training. Service contract and applications training are optionally purchasable. Warranty information can be found in terms and conditions. Concurrent licenses for supported advanced applications are optionally purchasable.			
24	1	M81501CN	Standalone Installation Set Standalone Installation Set	$2,500.00	63.50%	$912.50
25	1	B79921TB	TAVI Analysis TAVI Analysis	$10,000.00	63.50%	$3,650.00

Item No.	Qty	Catalog No.	Description	Contract Price	Discount	Ext Sell Price
			TAVI Analysis is a post processing software application to aide in the evaluation of CT Datasets acquired for TAVI (TAVR) procedures. CT provides information that is important for successful TAVI/TAVR procedures. CT is used to help determine aortic annulus size, to guide selection of appropriate valve, provide dimensions of the entire aorta, help determine the access path for the catheter and give guidance for C-arm angulation for deployment of the device. GE's TAVI Analysis software provides a streamlined, guided workflow to enable efficient consistent work-ups of your TAVI studies with connectivity directly to the interventional suit Key features of the TAVI Analysis package: o Automatic segmentation of the aorta with calcific areas highlighted o Guided workflow for acquiring all			

Item No.	Qty	Catalog No.	Description	Contract Price	Discount	Ext Sell Price
			measurements needed for aortic annulus sizing o Ability to work with multi-phase data o One Click perpendicular views to demonstrate working angles for valve deployment in the cath lab. o Guided vessel tracking tools to allow for easy planning for any access route (e.g. femoral, subclavian, transapical) o Summary Table for easy exporting of measurements o Direct communication with Heart Vision 2 software for easy transition of processed CT data to the cath lab o 3D and calcium overlay VR models to aide in visualization during interventional procedure. Requirements: o VesselIQ Xpress and Autobone Xpress are pre-requisites for the TAVI Analysis package.			
26	1	B79831RG	CardIQ Xpress 2.0 Reveal IB Upgrade	Incl.	Incl.	Incl.

Item No.	Qty	Catalog No.	Description	Contract Price	Discount	Ext Sell Price
			CardIQ Xpress 2.0 Reveal Upgrade for customers who previously purchased CardIQ Xpress 2.0 Reveal without CardIQ Xpress Process CardIQ Xpress 2.0 Reveal is an integrated post processing image analysis software for Cardiovascular CT on GE's Advantage Workstation. The optional CardIQ Xpress Reveal software can be used to effectively display, reformat and analyze 2D, 3D, and GSI CT images for qualitative or quantitative assessment of the anatomy of the heart and coronary artery vessels from single or multiple cardiac phase image data sets. When used with CardIQ Function, CardiQ Xpress Reveal can also provide functional assessment including relative perfusion information. CardIQ Xpress Reveal can be launched directly or from within Volume Viewer applications using			

Item No.	Qty	Catalog No.	Description	Contract Price	Discount	Ext Sell Price
			gated axial, helical or GSI CT images; including images created using the SnapShot Freeze intelligent motion correction option. The software includes a variety of different 2D, 3D or reformatted protocols including: display of the coronary vessel tree, angiographic view, 2D and 3D rendering of single or multiple coronary artery vessels or grafts, automatic reformation of cross sectional cardiac images into planes along short or long axis of the heart, one-touch cath views for 3D or reformatted images, 3D angiographic view phase registration, color mapped plaque density measurements, IVUS-like views, 3D ejection fraction, 4D aortic and Mitral valve views, relative perfusion, transparency views and beating heart images from single or multiple cardiac phase image data sets. CardIQ Xpress Reveal combines simplified user			

Item No.	Qty	Catalog No.	Description	Contract Price	Discount	Ext Sell Price
			workflow with SnapShot Freeze intelligent motion correction imaging. o Pre-processing the images & models including SnapShot Freeze exams, for faster review o Loading images into the auto launch area area for real-time review of multiple exams o Easy switching from one protocol to the other without exiting the application o Single click one-touch cath views o Batch movie output within cardiac reformat o User defined layouts within vessel analysis for simplified viewing and filming o Multi-phase load to single phase review The CardIQ Xpress reveal option allows the user to: o Rendering and display of 2D/3D coronary vascular tree images with automatic vessel tracking & labeling with single click of a protocol. Images can be reviewed in axial,			

Item No.	Qty	Catalog No.	Description	Contract Price	Discount	Ext Sell Price
			reformat, curved, oblique MPVR, and cross section views o Measurements of coronary arteries including stenosis and stenosis length, and density o PlaqID to color code non-calcified and calcified plaque with volume measurements. o 2D reformat review with predefined views to review all coronary vessels. o Color enhanced relative perfusion defect pattern recognition for detection of ischemic heart disease with 4 color patterns o Automatically render data for streamlined reading to include: 3D rendered heart, angiographic view, tree VR, and ejection fraction. o Reformat standard axial CT images of single or multiple cardiac phases automatically into short, long and two chamber long axis of the heart for easy review o Perform functional evaluation of the heart			

Item No.	Qty	Catalog No.	Description	Contract Price	Discount	Ext Sell Price
			and cine capabilities for multiphase beating heart images with one easy click o Extraction of the left ventricle and automated ejection fraction and volume measurements. Note: CardIQ Function Xpress is needed if myocardial wall motion, mass, wall thickness or chamber volumes for the Right Ventricule, Left Atrium, Right Atrium is needed. o 4D aortic valve and mitral valve views with one touch o Ability to select different protocols without exiting the application o Pre-defined VR IVUS-like views for virtually determining plaque compositions o One touch angiographic view protocol display coronary vessel tree and myocardium with automatic removal of heart chambers for cath comparative view o Heart transparency model allowing for full visualization of coronaries in relations to the heart chambers with the ability to fade			

Item No.	Qty	Catalog No.	Description	Contract Price	Discount	Ext Sell Price
			out the chambers of the heart o Oblique reformat views in the standard cath angles for easy analysis of the coronary vessels o Load multi-phase images, review the data and decide which phase or phases will be reviewed for further processing by dropping the non-essential phases o Phase registration - ability to register images from different cardiac phases into a unique data set. The data set can then be saved as a 3D object and/or used for further analysis System requirements: o AW VolumeShare 7 or AW Server 3.2 o Auto Launch and Preprocessing Option			
27	1	B77031RB	CT Perfusion 4 Neuro to 4D Neuro Upgrade CT Perfusion 4D Neuro Upgrade from Perfusion 4 CT Perfusion 4D Neuro Package is an image analysis software package that	Incl.	Incl.	Incl.

Item No.	Qty	Catalog No.	Description	Contract Price	Discount	Ext Sell Price
			allows the evaluation of dynamic CT data following an injection of a compact bolus of contrast material, generating information with regards to changes in image intensity over time. The software provides a quick and reliable assessment of the type and extent of cerebral perfusion disturbances by providing qualitative and quantitative information on various perfusion related parameters, which may be related to acute stroke, brain tumor angiogenesis and treatment thereof. The key perfusion parameters that CT Perfusion 4D Neuro Package generates are: o Regional Blood Volume (BV; ml/100g) o Regional Blood Flow (BF; ml/min/100g) o Regional Mean Transit Time (rMTT;s) o Capillary Permeability Surface Area Product (PS) o Time of Arrival (IRF T0) o Transit Time to IRF Peak (Tmax;sec) The user now has the ability to			

Item No.	Qty	Catalog No.	Description	Contract Price	Discount	Ext Sell Price
			visualize all the information in true volumetric form. Additional elements of Perfusion 4D include Smart Map, a new algorithm that improves the image quality of the functional maps in the presence of noise. Perfusion 4D also includes a new streamlined workflow for Tissue Classification. Tissue Classification may aid the clinician in determining the status of the tissue based on blood volume and one of blood flow, mean transit time, or Tmax. Productivity is enhanced through the protocol driven design of the user interface. An example of this is the Brain Stroke Protocol (Automatic) that completes the processing with one touch reducing the time required to process the exam and to enhance repeatability. Perfusion 4D is compatible with AW VolumeShare7 and later and AW Server 3.2			

Item No.	Qty	Catalog No.	Description	Contract Price	Discount	Ext Sell Price
28	1	M81511MR	Professional Services of Project Management. This catalog includes Professional Services of Project Management. Dedicated Project Manager will work with customer IT department hand-in-hand and serve as a single point of contact from project initiation to customer training and turnover.	$4,000.00	0.00%	$4,000.00
29	1	R3000A	AW Server Advanced Installation Services Advance Installation Services - provides 8 hours of labor only service to support the installation of the AW Server	$1,200.00	0.00%	$1,200.00
30	1	W0600CT	2 Days TiP Onsite Training Advantage Windows Workstation--CT 2 Days TiP Onsite Training Advantage Windows Workstation--CT One 2 day TiP onsite visit for CT Advantage Windows Workstation training. Includes T&L expenses. Days provided consecutively. This training program must be scheduled and completed within 12 months after the date of product delivery.	$4,600.00	0.00%	$4,600.00
31	1	W7005NW	2 DAY AW SERVER 2 Day AW Server Training Two Day TiP AW Server Training One 2-day onsite applications	$5,900.00	0.00%	$5,900.00

Item No.	Qty	Catalog No.	Description	Contract Price	Discount	Ext Sell Price
			training visit for AW Server. Includes T&L expenses. Days provided consecutively. This training program must be scheduled and completed within 12 months after the date of product delivery.			
	1		**TiP CT Applications**			
32	1	W0002CT	2 Days CT TiP Onsite Training 2 Days CT TiP Onsite Training Two Day CT Onsite Training provided from 8AM to 5PM, Monday through Friday. Includes T&L expenses. Days provided consecutively. This training program must be scheduled and completed within 12 months after the date of product delivery.	$4,600.00	0.00%	$4,600.00
	1		**NonProducts**			
33	2		Service FRU Computer Replacement: CT Console Upgrade P/N 5769312	$11,000.00	0.00%	$22,000.00

Quote Summary:

Total Extended Selling Price:	**$2,050,403.75**
Trade in of existing VCT	
Total Quote Net Selling Price	**$1,875,403.75**

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

1. Definitions. As identified in this Agreement, "Equipment" is hardware and embedded software that is licensed with the purchase of the hardware delivered to Customer in GE Healthcare's packaging and with its labeling; "Software" is software developed by GE Healthcare and/or delivered to Customer in GE Healthcare's packaging and with its labeling, and Documentation associated with the software; "Third Party Software" and "Third Party Equipment" are respectively software developed by a third party, and hardware and embedded software that is licensed with the purchase of the hardware, that is delivered to Customer in the third party's packaging and with its labeling (collectively, "Third Party Product"); "Product" is Equipment, Software and Third Party Product; and "Services" is Product support or professional services. "Healthcare IT Products" are: (i) Software identified in the Quotation as "Centricity"; (ii) Third Party Software licensed for use in connection with Centricity Software; (iii) hardware used to operate Centricity or Third Party Software; (iv) Services provided for implementation, installation or support and maintenance of Centricity or Third Party Software; and/or (v) any Product or Service that is identified in a Healthcare IT Quotation. "Specifications" are GE Healthcare's written specifications and manuals as of the date the Equipment is shipped. "Documentation" is the online help functions, user instructions and manuals regarding the installation and operation of the Product as made available by GE Healthcare to Customer.

2. Term and Termination. Services and/or Software licenses will have individual term lengths identified in the Quotation. If there is a material breach of this Agreement that is not cured by the breaching party within 60 days from receipt of written notice, the non-breaching party can terminate it. Other than as set forth in this Agreement, neither party can unilaterally terminate this Agreement. Any remaining undisputed, unpaid fees become immediately due and payable on expiration or termination.

3. Software License. Other than as identified in the Quotation, GE Healthcare grants Customer a non-exclusive, non-transferable, non-sublicensable, perpetual license to use the Software for Customer's internal business purposes only. Customer's employees, agents and independent contractors may use the Software, but Customer is responsible for their acts. Customer-controlled entities may use the Software, but these entities will agree to these terms and pay additional license fees. Independent contractors that supply products comparable to the Software cannot be provided access to the Software unless GE Healthcare has provided its prior written consent. Customer may make a reasonable number of copies of the Software in machine-readable form for backup, testing or archival purposes. If GE Healthcare provides Third Party Software, Customer will comply with the relevant license terms, and licensors are third-party beneficiaries of this Agreement.

Customer must not: (i) display or make available the Software to any other entity; (ii) transfer the Software outside the United States or Customer's network; (iii) decompile, disassemble or reverse engineer the Software or attempt to learn its source code, structure or algorithms; (iv) modify, translate or create derivative works based on the Software; (v) modify markings, labels or notices of proprietary rights of the Software or Documentation; (vi) release results of testing or benchmarking of the Software; or (vii) use the Software outside of the scope defined in this Agreement or the Quotation.

Software and Documentation is licensed to Customer, but no title or other ownership interest passes. No rights are granted except as expressly provided in this Agreement or the Quotation. If the parties enter into a statement of work related to a Quotation ("SOW"), GE Healthcare owns all deliverables and intellectual property developed during performance. Customer assigns, and will cause its employees and independent contractors to assign, to GE Healthcare all of its rights to the SOW deliverables and intellectual property. GE Healthcare grants to Customer a non-exclusive, non-transferable, non-sublicensable license to use the SOW deliverables subject to the limitations in this Agreement.

4. Commercial Logistics.

4.1. Order Cancellation and Modifications.

4.1.1. Cancellation. If Customer cancels an order prior to shipment without GE Healthcare's written consent, GE Healthcare may charge: (i) a fee of up to 10% of the Product price; and (ii) for site evaluations performed prior to cancellation. GE Healthcare will retain, as a credit, payments received up to the amount of the cancellation charge. Customer must pay applicable progress payments (other than final payment) prior to final calibration, and GE Healthcare may delay calibration until those payments are received. If Customer does not schedule a delivery date within 6 months after order entry, GE Healthcare may cancel on written notice. This Section does not apply to Software Quotations, Third Party Products and/or professional or installation services included on those Quotations; those orders are non-cancellable.

4.1.2. Used Equipment. Equipment identified as pre-owned, refurbished, remanufactured or demonstration Equipment has been previously used ("Used Equipment"); it is not new. When delivered, Used Equipment may have received reconditioning, as necessary, to meet Specifications. Since Used Equipment may be offered simultaneously to several customers, its sale is subject to availability. If it is no longer available, (i) GE Healthcare will attempt to identify other Used Equipment in its inventory that meets Customer's needs, and (ii) if substitute Used Equipment is not acceptable, GE Healthcare will cancel the order and refund any deposit Customer paid for the Used Equipment.

4.2. Site Preparation. Customer must, at its expense, prepare the site and network where the Product will be installed, ensuring that its site and network are adequate for proper Product operation and performance and meet GE Healthcare's written requirements and applicable laws. GE Healthcare may refuse to deliver or install if the site has not been properly prepared or there are other impediments.

4.3. Transportation, Title and Risk of Loss. Unless otherwise identified in the Quotation, shipping terms are FOB Destination. Title and risk of loss to Equipment and Third Party Equipment passes to Customer on delivery to Customer's designated delivery location.

4.4. Delivery, Returns and Installation. Delivery dates are approximate. Products may be delivered in installments. GE Healthcare may invoice multiple installment deliveries on a consolidated basis, but this does not release Customer's obligation to pay for each installment delivery. Delivery occurs: (i) for Product, on electronic or physical delivery to Customer; and (ii) for Services, on performance.

Products cannot be returned for refund or credit if they match the Quotation.

Delivery and installations will be performed from 8am to 5pm local time, Monday-Friday, excluding GE Healthcare holidays, and outside those hours for an additional fee. Customer will: (i) install cable and assemble products not provided by GE Healthcare; (ii) enable connectivity and

interoperability with products not provided by GE Healthcare; (iii) pay for construction and rigging costs; and (iv) obtain all licenses, permits and approvals for installation, use and disposal of Products. For Equipment requiring installation, if GE Healthcare delivers the Equipment but does not perform the installation, Customer will pay GE Healthcare the quoted selling price less: (a) the installation price, if separately identified in the Quotation; or (b) if no installation price is identified, the fair market value for the installation as determined by an independent third party. For upgrades and revisions to non-Healthcare IT Products, Customer must return replaced components to GE Healthcare at no charge.

4.5. Information Technology Professional Services ("ITPS"). ITPS must be completed within 12 months of the later of the ITPS order date or Product delivery. If not done within this time period, other than because of GE Healthcare's failure to perform, ITPS performance obligations expire without refund. ITPS includes applications training, project management, HL7/HIS system integration, database conversion, network design and integration and separately cataloged software installations. This Section does not apply to Healthcare IT Products.

4.6. Acceptance.

4.6.1. Equipment Acceptance. Beginning on completion of installation (not to exceed 30 days from shipment) or delivery (if installation is not required), Customer will have 5 days to determine if the Equipment operates substantially in accordance with Specifications ("Equipment Test Period"). If the Equipment fails to perform accordingly, Customer will provide to GE Healthcare: (i) written notice; (ii) access to the Equipment; and (iii) a reasonable time to bring the Equipment into compliance. After correction by GE Healthcare, Customer will have the remainder of the Equipment Test Period or 3 days, whichever is greater, to continue testing. Equipment is accepted on the earlier of expiration of the Equipment Test Period or the date the Equipment is first used for non-acceptance testing purposes.

4.6.2. Software Acceptance. Beginning on completion of Software implementation, Customer will have 30 days to determine if the Software operates substantially in accordance with the Documentation ("Software Test Period"). If the Software fails to perform accordingly, Customer will provide to GE Healthcare: (i) written notice; (ii) access to the Software; and (iii) a reasonable time to bring the Software into compliance. After correction by GE Healthcare, Customer will have the remainder of the Software Test Period or 5 days, whichever is greater, to continue testing. Software is accepted on the first to occur of: (a) expiration of the Software Test Period; (b) the date Software is first used to process actual data; or (c) the "Go-Live Date" as defined in the Quotation.

4.6.3. Third Party Product Acceptance. Third Party Products are accepted 5 days after delivery.

4.7. Third Party Products and Services. If GE Healthcare provides Third Party Products and/or Services, then (i) GE Healthcare is acquiring them on Customer's behalf as its agent and not as a supplier; (ii) GE Healthcare provides no warranties or indemnification, express or implied; and (iii) Customer is responsible for all claims resulting from or related to their acquisition or use.

4.8. Mobile Equipment. GE Healthcare will assemble Equipment it has approved for mobile use at the vehicle location identified by Customer. Customer will comply with the vehicle manufacturer's planning requirements and arrange for delivery of the vehicle.

4.9. Audit. GE Healthcare may audit Customer's use of Software and Healthcare IT Products to verify Customer's compliance with this Agreement. Customer will provide reasonable assistance and unrestricted access to the information. Customer must pay underpaid or unpaid fees discovered during the audit, and GE Healthcare's reasonable audit costs, within 30 days of written notification of the amounts owed. If Customer does not pay, or the audit reveals that Customer is not in compliance, GE Healthcare may terminate Customer's Software license or use of the Healthcare IT Product.

5. Security Interest and Payment.

5.1. Security Interest. Customer grants GE Healthcare a purchase money security interest in all Products in the Quotation until full payment is received, and Customer will perform all acts and execute all documents necessary to perfect GE Healthcare's security interest.

5.2. Failure to Pay. If, after Product delivery, Customer is more than 45 days past due on undisputed payments, GE Healthcare may, on 10 days' prior written notice, disable and/or remove the Products.

5.3. Late Payment. Customer must raise payment disputes before the payment due date. For any undisputed late payment, GE Healthcare may: (i) suspend performance under this Agreement until all past due amounts are paid; (ii) charge interest at a rate no more than the maximum rate permitted by applicable law; and (iii) use unapplied funds due to Customer to offset any of Customer's outstanding balance. If GE Healthcare suspends performance, any downtime will not be included in the calculation of any uptime commitment. If Customer fails to pay when due: (a) GE Healthcare may revoke its credit and designate Customer to be on credit hold; and (b) all subsequent shipments and Services must be paid in full on receipt.

5.4. Taxes. Prices do not include applicable taxes, which are Customer's responsibility.

5.5. Lease. If Customer leases a Product, it continues to be responsible for payment obligations under this Agreement.

6. Trade-In Equipment. Trade-in equipment identified in a Quotation will be subject to separate trade-in terms and conditions.

7. Positron Emission Tomography ("PET") and Computed Tomography ("CT"). Customer will provide all radioactive sources and radioisotopes for calibration and performance checks of such system.

8. CT Uptime Commitment. GE Healthcare will provide an uptime commitment during warranty for CT Equipment (excluding peripherals) if Customer provides GE Healthcare with: (i) access to the CT Equipment through a secure connection meeting Specifications and industry best practices; (ii) notice of changes that impact Customer's connection; and (iii) prompt and unencumbered access to the CT Equipment. The "Uptime Commitment" for CT Equipment is 97%. Other Products may be eligible for an uptime commitment if identified in the Quotation.

If GE Healthcare fails to meet the Uptime Commitment over a 26-week period, it will extend the warranty as follows:

% Less than Uptime Commitment	Warranty Extension
0.1 - 3.0	1 week
3.1 - 8.0	2 weeks
8.1 - 13.0	4 weeks
> 13.0	6 weeks

Uptime is calculated as follows:

$$\left(\frac{UptimeBase - Downtime}{UptimeBase}\right)$$

"Uptime Base" = ("a" hours per day X "b" days per week X 26 weeks) – (Planned Maintenance ("PM") hours during prior 26 weeks), where "a" hours per day and "b" days per week are determined by the standard warranty for the CT Equipment. "Downtime" is the number of hours during which the CT Equipment is subject to a Critical Malfunction. Downtime starts when Customer notifies GE Healthcare that the CT Equipment is inoperable and unavailable for use due to GE Healthcare's design, manufacturing, material or performance failure ("Critical Malfunction"). Downtime ends when the CT Equipment is available for clinical use. To be eligible for the Uptime Commitment, Customer must maintain a performance log that includes data required to calculate Downtime.

9. General Terms.

9.1. Confidentiality. Each party will treat this Agreement and the other party's proprietary information as confidential, meaning it will not use or disclose the information to third parties unless permitted in this Agreement or required by law. Customers are not prohibited from discussing patient safety issues in appropriate venues.

9.2. Governing Law. The law of the State where the Product is installed or the Service is provided will govern this Agreement.

9.3. Force Majeure. For non-monetary obligations, performance time will be reasonably extended for delays beyond a party's control.

9.4. Assignment; Use of Subcontractors. Rights and obligations under this Agreement cannot be assigned without the other party's prior written consent, unless: (i) it is to an entity (except to a GE Healthcare competitor) that (a) is an affiliate or parent of the party or (b) acquires substantially all of the stock or assets of such party's applicable business, Product line or Service thereof; and (ii) the assignee agrees in writing to be bound by this Agreement, including payment of outstanding fees. GE Healthcare may hire subcontractors to perform work under this Agreement but will remain responsible for its obligations.

9.5. Waiver; Survival. If any provision of this Agreement is not enforced, it is not a waiver of that provision or of a party's right to later enforce it. Terms in this Agreement related to intellectual property, compliance, data rights and terms that by their nature are intended to survive its end will continue in full effect after its end.

10. Compliance.

10.1. Generally. Each party will comply with applicable laws and regulations. Customer is only purchasing or licensing Products for its own medical, billing and/or non-entertainment use in the United States. GE Healthcare will not deliver, install, service or train if it discovers Products have been or are intended to be used contrary to this Agreement. This Agreement is subject to GE Healthcare's ongoing credit review and approval. Customer is aware of its legal obligations for cost reporting, including 42 C.F.R. § 1001.952(g) and (h), and will request from GE Healthcare any information beyond the invoice needed to fulfill Customer's cost reporting obligations. GE Healthcare will provide safety-related Equipment and Software updates required by applicable laws and regulations at no additional charge.

10.2. Security. Customer must provide network and Product security, virus protection, backup, data integrity, and recovery of data, images, software or equipment; GE Healthcare is not responsible for recovery of lost or damaged data or images. NEITHER PARTY WILL BE LIABLE FOR DAMAGES CAUSED BY UNAUTHORIZED ACCESS TO THE NETWORK OR PRODUCT IN SPITE OF A PARTY'S COMPLIANT SECURITY MEASURES.

10.3. Environmental Health and Safety. GE Healthcare has no obligation to provide Products and/or Services until Customer: (i) provides and maintains a safe, hazard-free environment in material compliance with applicable Federal, State, and local requirements and written requirements provided by GE Healthcare; (ii) provides to GE Healthcare onsite personnel with a list of chemical/hazardous materials with which these personnel may come into contact, related safety data sheets and its written safety procedures; (iii) performs GE Healthcare recommended routine maintenance and operator adjustments; and (iv) ensures that service not provided by GE Healthcare is performed, and Products are used, in accordance with applicable documentation. Before Customer sends a Product to GE Healthcare (e.g., for repair, loaner return) or GE Healthcare services a Product, Customer will remove bodily fluids and remediate hazardous conditions that may cause injury or illness, and be responsible for managing, storing and disposing of all waste material, unless GE Healthcare is legally required to take back the materials. Customer is responsible, at its expense, for: (a) controlling access to, and all operations and protocols of, the Product and the site, as well as ensuring compliance with environmental and health and safety regulations; (b) obtaining required permits and licenses, including any required to handle or produce radioactive materials; (c) decommissioning and disposal requirements of its facilities; and (d) as applicable, complying with GMP and/or pharmaceutical regulations. Customer will provide radioactive materials for calibration and testing of the Product.

10.4. Parts and Tubes. GE Healthcare: (i) recommends the use of parts it has validated for use with the Product; (ii) is not responsible for the quality of parts supplied by third parties to Customer; and (iii) cannot assure Product functionality or performance when non-GE Healthcare parts are used. Certain Products are designed to recognize GE Healthcare-supplied tubes and report the presence of a non-GE Healthcare tube; GE Healthcare is not responsible for the use of, or effects from, non-GE Healthcare supplied tubes.

10.5. Training. GE Healthcare's training does not guarantee that: (i) Customer trainees are fully trained on Product use, maintenance or operation or (ii) training will satisfy any licensure or accreditation. Customer must ensure its trainees are fully qualified in the use and operation of the Product. Unless otherwise identified in the training catalog, Customer will complete training within 12 months after: (a) if with a Product purchase, the date of Product delivery; (b) if with a Services purchase, the start date for Services; or (c) if with a training-only purchase, the date training is ordered. If not done within this time period (other than because of GE Healthcare's fault), training expires without refund.

10.6. Medical Diagnosis and Treatment. All clinical and medical treatment, diagnostic and/or billing decisions are Customer's responsibility.

10.7. Connectivity. If a Product has remote access capability, Customer must provide GE Healthcare with, and maintain, remote access to the Product by a GE Healthcare-validated connection to permit GE Healthcare to perform Services. If remote access is not provided, GE Healthcare reserves the right to charge Customer for onsite support at GE Healthcare's then-current billing rate. The remote connection and collection of machine data (e.g., temperature, helium level) will continue after the end of this Agreement unless Customer requests in writing that GE Healthcare disable it.

10.8. Use of Data.

10.8.1. Protected Health Information. If GE Healthcare creates, receives, maintains, transmits or otherwise has access to Protected Health Information as such term is defined in 45 C.F.R. § 160.103 ("PHI") under this Agreement, it will only use and disclose the PHI as permitted by law and by the Business Associate Agreement between the parties.

10.8.2. Data Rights. GE Healthcare and its subcontractors may access, collect, maintain, analyze, prepare derivatives from and otherwise use information about Products and/or Services that is not PHI, including, but not limited to, machine, technical, systems, usage and related information ("Source Data") to facilitate the provision of Products and/or Services to Customer and for research, development and continuous improvement of GE Healthcare's products, software and services. GE Healthcare will own all discoveries, ideas, improvements, products, services, software, data, intellectual property and other rights arising from and/or related to GE Healthcare's and its subcontractors' use, analysis, research and/or development of the Source Data.

10.9. Customer Policies. GE Healthcare will use reasonable efforts to respect Customer-provided policies that apply to GE Healthcare, and do not materially contradict GE Healthcare policies. Failure to respect Customer policies is not a material breach unless it is willful and adversely affects GE Healthcare's ability to perform its obligations.

10.10. Insurance. GE Healthcare will maintain coverage in accordance with its standard certificate of insurance.

10.1. Excluded Provider. To its knowledge, neither GE Healthcare nor its employees performing Services under this Agreement have been excluded from participation in a Federal Healthcare Program. If an employee performing Services under this Agreement is excluded, GE Healthcare will replace that employee within a reasonable time; if GE Healthcare is excluded, Customer may terminate this Agreement upon written notice to GE Healthcare.

11. Disputes, Liability and Indemnity.

11.1. Dispute Resolution. The parties will first attempt to resolve in good faith any disputes related to this Agreement. Violation of GE Healthcare's license, confidentiality or intellectual property rights will cause irreparable harm for which the award of money damages alone is inadequate. GE Healthcare may: (i) seek injunctive relief and any other available remedies; and/or (ii) immediately terminate the license grant and require Customer to cease use of and return the Software and Third Party Software. Other than these violations or collection matters, unresolved disputes will be submitted to mediation prior to initiation of other means of dispute resolution.

11.2. Limitation of Liability. GE HEALTHCARE'S ENTIRE LIABILITY, AND CUSTOMER'S EXCLUSIVE REMEDY, FOR DIRECT DAMAGES INCURRED BY CUSTOMER FROM ANY CAUSE, REGARDLESS OF THE FORM OF ACTION, ARISING UNDER THIS AGREEMENT OR RELATED HERETO, WILL NOT EXCEED: (I) FOR PRODUCTS, THE PRICE FOR THE PRODUCT THAT IS THE BASIS FOR THE CLAIM; OR (II) FOR SERVICE OR SUBSCRIPTIONS, THE AMOUNT OF THE SERVICE OR SUBSCRIPTION FEES FOR THE 12 MONTHS IMMEDIATELY PRECEDING THE ACTION THAT IS THE BASIS FOR THE CLAIM. THIS LIMITATION OF LIABILITY WILL NOT APPLY TO GE HEALTHCARE'S DUTIES TO INDEMNIFY CUSTOMER IN ACCORDANCE WITH THIS AGREEMENT. THE LIMITATION OF LIABILITY WILL APPLY EVEN IF THE LIMITED REMEDIES FAIL OF THEIR ESSENTIAL PURPOSE.

11.3. Exclusion of Damages. NEITHER PARTY WILL BE LIABLE FOR INDIRECT, SPECIAL, PUNITIVE, INCIDENTAL, CONSEQUENTIAL OR REPUTATIONAL DAMAGES, OR FOR LOSS OF PROFITS, REVENUE, TIME, OPPORTUNITY OR DATA, REGARDLESS OF THE FORM OF ACTION OR BASIS OF THE CLAIM. THE EXCLUSION OF DAMAGES WILL APPLY EVEN IF THE LIMITED REMEDIES FAIL OF THEIR ESSENTIAL PURPOSE.

11.4. IP Indemnification. GE Healthcare will indemnify and hold Customer harmless from third-party claims for infringement of United States intellectual property rights caused solely by Customer's use of the Equipment and Software in accordance with the Documentation and license. GE Healthcare will control the defense. Customer may retain counsel but at Customer's expense.

11.5. General Indemnification. GE Healthcare will indemnify and hold Customer harmless for third party damages that Customer becomes legally obligated to pay related to bodily injury or damage to real or tangible personal property to the extent the damages are caused by a manufacturing or design defect, negligent failure to warn, negligent installation, or negligent Service with respect to Products manufactured by GE Healthcare and supplied under this Agreement. GE Healthcare has no obligation to indemnify and hold Customer harmless for damages caused by: (i) Customer's fault or legal expenses incurred by Customer in defending itself against suits seeking damages caused by Customer's fault or (ii) any Product modification not authorized in writing by GE Healthcare.

Customer will indemnify and hold GE Healthcare harmless from third party damages that GE Healthcare becomes legally obligated to pay related to bodily injury or damage to real or tangible personal property to the extent the damages are caused by Customer's: (a) medical diagnosis or treatment decisions; (b) misuse or negligent use of the Product; and/or (c) use of the Product in a manner or environment, or for any purpose, for which GE Healthcare did not design it, or in violation of GE Healthcare's recommendations or instructions.

The above obligations are conditional on the indemnified party providing the indemnifying party prompt written notice of the claim after receiving notice of it, allowing the indemnifying party the option to control defense and disposition of the claim, and reasonably cooperating with the indemnifying party in the defense. The indemnifying party will not be responsible for any compromise made without its consent.

12. Notices. Notices will be in writing and considered delivered when received if sent by certified mail, postage prepaid, return receipt requested, by overnight mail, or by fax. Notice to Customer will be directed to the address on this Agreement, and notice to GE Healthcare to General Counsel, 9900 Innovation Dr., Wauwatosa, WI 53226.

GE Healthcare Warranty Statement

1. **Warranty.**

1.1. Equipment. For non-customized Equipment purchased from GE Healthcare or its authorized distributors, unless otherwise identified in the Quotation, GE Healthcare warrants that Equipment will be free from defects in title, and, for 1 year from Equipment Acceptance, it will: (i) be free from defects in material and workmanship under normal use and service; and (ii) perform substantially in accordance with the Specifications. The warranty covers parts and labor and only applies to end-users that purchase Equipment from GE Healthcare or its authorized distributors.

1.2. Software. For Software licensed from GE Healthcare, GE Healthcare warrants that: (i) it has the right to license or sublicense Software to Customer; (ii) it has not inserted Disabling Code into Software; (iii) it will use efforts consistent with industry standards to remove viruses from Software before delivery; and (iv) unless otherwise identified in the Quotation, for 90 days from Software Acceptance, Software will perform substantially in accordance with the Documentation. "Disabling Code" is code designed to interfere with the normal operation of Software, but code that prohibits use outside of the license scope is not Disabling Code.

1.3. Services. GE Healthcare warrants that its Service will be performed by trained individuals in a professional, workman-like manner.

1.4. Used Equipment. Certain Used Equipment is provided with GE Healthcare's standard warranty for the duration identified in the Quotation, but in no event more than 1 year. If no warranty is identified, the Used Equipment is not warranted by GE Healthcare.

1.5. Accessories and Supplies. Warranties for accessories and supplies are in GE Healthcare's catalog and at www.gehealthcare.com.

1.6. Third Party Product. Third Party Product is covered by the third party's warranty and not GE Healthcare's warranties.

2. **Remedies.** If Customer promptly notifies GE Healthcare of its claim during the warranty and makes the Product available, GE Healthcare will: (i) at its option, repair, adjust or replace the non-conforming Equipment or components; (ii) at its option, correct the non-conformity or replace the Software; and/or (iii) re-perform non-conforming Service. Warranty service will be performed from 8am to 5pm local time, Monday-Friday, excluding GE Healthcare holidays, and outside those hours at GE Healthcare's then-current service rates and subject to personnel availability. GE Healthcare may require warranty repairs to be performed via a secure, remote connection or at an authorized service center. If GE Healthcare replaces Equipment or a component, the original becomes GE Healthcare property and Customer will return the original to GE Healthcare within 5 days after the replacement is provided to Customer. Customer cannot stockpile replacement parts. Prior to returning Equipment to GE Healthcare, Customer will: (a) obtain a return to manufacturer authorization; and (b) back up and remove all information stored on the Equipment (stored data may be removed during repair). Customer is responsible for damage during shipment to GE Healthcare. The warranty for a Product or component provided to correct a warranty failure is the unexpired term of the warranty for the repaired or replaced Product.

GE Healthcare may provide a loaner unit during extended periods of Product service. If a loaner unit is provided: (i) it is for Customer's temporary use at the location identified in the Quotation; (ii) it will be returned to GE Healthcare within 5 days after the Product is returned to Customer, and if it is not, GE Healthcare may repossess it or invoice Customer for its full list price; (iii) it, and all programs and information pertaining to it, remain GE Healthcare property; (iv) risk of loss is with Customer during its possession; (v) Customer will maintain and return it in proper condition, normal wear and tear excepted, in accordance with GE Healthcare's instructions; (vi) it will not be repaired except by GE Healthcare; (vii) GE Healthcare will be given reasonable access to it; (viii) Customer is not paying for its use, and Customer will ensure charges or claims submitted to a government healthcare program or patient are submitted accordingly; and (ix) prior to returning it to GE Healthcare, Customer will delete all information, including PHI, from it and its accessories, in compliance with industry standards and instructions provided by GE Healthcare.

NO OTHER EXPRESS OR IMPLIED WARRANTIES, INCLUDING IMPLIED WARRANTIES OF NON-INFRINGEMENT, MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, WILL APPLY. SERVICE MANUALS AND DOCUMENTATION ARE PROVIDED "AS IS". GE HEALTHCARE DOES NOT GUARANTEE PRODUCTS WILL OPERATE WITHOUT ERROR OR INTERRUPTION.

3. **Limitations.** GE Healthcare has no obligation to Customer for warranty claims if Customer uses the Product: (a) for non-medical or entertainment use or outside the United States; (b) in combination with software, hardware, or services not recommended in writing by GE Healthcare; and (c) in a manner or environment for which GE Healthcare did not design or license it, or in violation of GE Healthcare's recommendations or instructions.

In addition, these warranties do not cover: (i) a defect or deficiency from improper storage or handling, inadequate backup or virus protection, cyber-attacks, failure to maintain within Specifications power quality, grounding, temperature, humidity and repairs due to power anomalies, or any cause external to the Products or beyond GE Healthcare's control; (ii) payment or reimbursement of facility costs arising from repair or replacement of the Products or parts; (iii) adjustment, alignment, calibration, or planned maintenance; (iv) network and antenna installations not performed by GE Healthcare or its subcontractors; (v) lost or stolen Products; (vi) Products with serial numbers altered, defaced or removed; (vii) modification of Product not approved in writing by GE Healthcare; (viii) Products immersed in liquid; and (ix) consumable/replaceable items.

4. **Exceptions to Standard Warranty.**

DoseWatch Explore: DOSEWATCH EXPLORE SOFTWARE, SERVICES AND INFORMATION IS PROVIDED "AS IS" WITH NO WARRANTY
Partial System Equipment Upgrades for CT, MR, X-Ray, PET (Scanners, Cyclotrons and Chemistry Labs) and Nuclear systems: 6 months (only applies to the upgraded components)
Cyclotron and Radiopharmacy: Warranty starts on the earlier of (i) 3 months after the date GE Healthcare completes mechanical installation, or (ii) the date Product testing is successfully completed

MR Systems: Warranty does not cover: (i) a defect or deficiency from failure of water chillers supplied or serviced by Customer, and (ii) for MR systems with LHe/LN or shield cooler configured superconducting magnets (except for MR Systems with LCC magnets), any cryogen supply, cryogenic service or service to the magnet, cryostat, coldhead, shield cooler compressor or shim coils unless the need for supply or service is caused by a defect in material or workmanship covered by this warranty.
Proteus XR/a, Definium and Precision 500D X-Ray Systems: Warranty does not cover collimator bulbs
MX150 Vascular and Performix 160A (MX160) Tubes: 3 years
X-Ray High Voltage Rectifiers and TV Camera Pick-Up Tubes: 6 months
X-Ray Wireless Digital Detectors: In addition to the standard warranty, GE Healthcare will provide coverage for detector damage due to accidental dropping or mishandling. If accidental damage occurs, GE Healthcare will provide Customer with 1 replacement detector during warranty at no additional charge. If subsequent accidental damage occurs during warranty, each additional replacement will be provided for $30,000 per replacement. This additional coverage excludes damage caused by any use that does not conform to OEM guidelines, use that causes fluid invasion, holes, deep scratches or the detector case to crack, and damage caused by abuse, theft, loss, fire, power failures or surges. If the warranty is voided by these conditions, repair or replacement is Customer's responsibility.
Bone Mineral Densitometry: Alpha Source, Inc. will perform installation, application support and warranty services. Direct warranty claims to Alpha Source, Inc. at 1-800-654-9845. Upgraded computer, printer and monitor components include a 1 month warranty. Customer will not be credited the value of this warranty against pre-existing warranties or service agreements.
GE OEC New or Exchange Service/Maintenance Parts: 3 months
GE OEC Refurbished C-Arms: 1 year after installation
HealthNet Lan, Advantage Review — Remote Products: 3 months
Vivid T8: 3 years, includes TEE probes purchased with the Vivid T8
Vivid i, Vivid e, Vivid q, Vivid iq and Voluson i: Warranty includes (i) repair at GE Healthcare facilities, (ii) 3 business day turnaround repair for Products shipped via overnight delivery (where available), measured from shipment date (GE Healthcare is not responsible for delays in overnight shipment), (iii) 72-hour loaner unit or probe replacement service via Fed Ex, and (iv) phone support from 7am to 7pm Central Time, Monday-Friday, excluding GE Healthcare holidays. For an additional charge, GE Healthcare may provide field support/service, planned maintenance, and/or coverage for damage due to accidental dropping or mishandling with a maximum of 2 replacement systems during warranty.
LOGIQ e, Venue, Vivid iq and related transducers and peripherals purchased with them: 5 years (3 years for Vivid iq), except the following have a 1 year warranty:

Transducers: 6Tc-RS, i739-RS, t739-RS, and i12L
Carts: Venue Docking Cart, LOGIQ e Isolation Cart and Tall Docking Carts
Other Accessories: Venue & LOGIQ e batteries (internal & external), TEE cleaning & storage system and printers

Warranty includes: (i) repair at a GE Healthcare Service Depot, (ii) phone support from 7am to 7pm Central Time, Monday-Friday, excluding GE Healthcare holidays, and (iii) a loaner Product when available (shipping charges included).
Vscan: 3 years, except Vscan Version 1.1 Demonstration systems, which are warranted for 1 year. Warranty includes: (i) repair at a GE Healthcare Service Depot; (ii) repair within 5 days after receipt of the Vscan, excluding GE Healthcare holidays (GE Healthcare is not responsible for delays in shipment); and (iii) phone support from 7am to 7pm Central Time, Monday-Friday, excluding GE Healthcare holidays.
Ultrasound Partial System Equipment Upgrades: 3 months (only applies to the upgraded components). Customer will not be credited the value of the warranty against pre-existing warranties or service agreements.
Batteries: 3 months, except for x-ray nickel cadmium or lead acid batteries and Vsan batteries, which are warranted for 1 year
CARESCAPE Monitors B450, B650 and B850: 3 years parts, 1 year labor (excluding displays, which are standard)
B40 Monitors: 2 years parts, 1 year labor (excluding displays, which are standard)
MAC 800, 1200, 1600, 2000 and 3500: 3 years
CARESCAPE V100 and VC150 Vital Signs Monitors: 2 years
Exergen: 4 years
Panda® iRes Warmers, Giraffe® Warmer and Giraffe® Carestation OmniBed: 7 year parts warranty on heater cal rod
Microenvironment and Phototherapy consumable components: 1 month
Corometrics® Fetal Monitoring: Warranty includes: (i) warranty starting on the earlier of (a) if GE Healthcare or Customer installs, 5 days after installation or (b) 40 days after shipment; and (ii) 2 years parts, 1 year labor
Corometrics® Nautilus Transducers: 2 years
Lullaby Phototherapy System: 3 years on lamp assembly
Oximeters: 3 years from installation, or 39 months from date of GE Healthcare invoice, whichever occurs first
Anesthesia Monitor Mounting Solutions: If purchased directly from GE Healthcare, it will be warranted as a GE Healthcare Product
Tec 7 Vaporizers: 3 years
Tec 6 Plus Vaporizers: 2 years

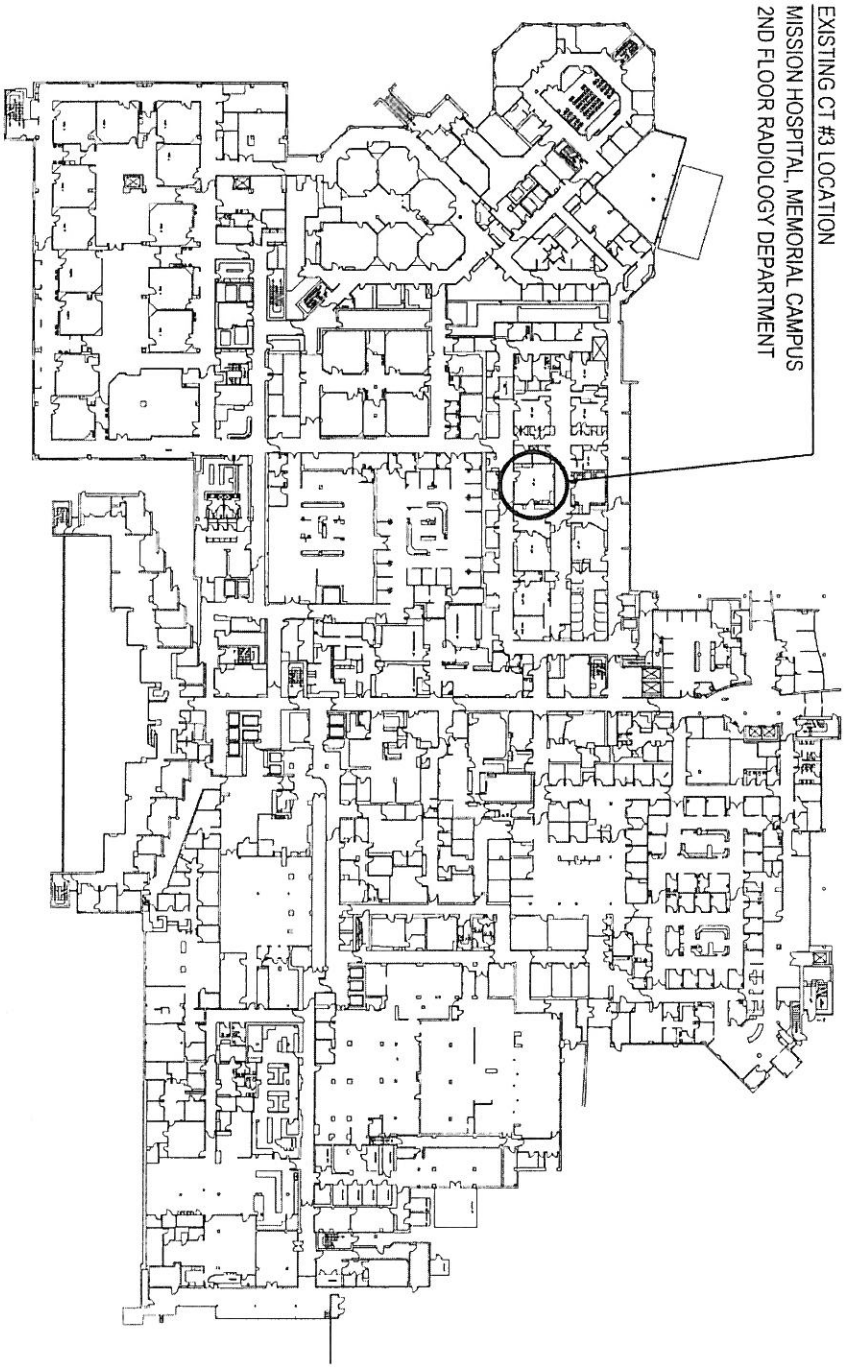

EXHIBIT 5

MISSION HOSPITAL

PROJECT:
CT 256 SCANNER (CT #3 REPLACEMENT)
MISSION HOSPITAL MEMORIAL CAMPUS 2ND FLR RADIOLOGY
ASHEVILLE, NORTH CAROLINA

SHEET TITLE:
LOCATION PLAN

SHEET: 1 OF 1	DATE: 03/15/18	NOT TO SCALE

PLAN