



Children's
of Alabama®

RECEIVED

Oct 01 2018

STATE HEALTH PLANNING AND
DEVELOPMENT AGENCY

September 28, 2018

Mr. Alva Lambert
Executive Director
State Health Planning and Development Agency (SPHDA)
100 North Union Street, Suite 870
Montgomery, Alabama 36104

RE: Request for Determination of Exemption Status for Replacement Equipment

Dear Mr. Lambert:

Pursuant to the Alabama State Certificate of Need (CON) Program Rules and Regulations Chapter 410-1-5, The Children's Hospital of Alabama (Children's) is submitting the attached Request for Determination of Exemption Status to replace an aging CT scanner located at the Children's multi-specialty outpatient clinic in the Children's South facility at 1940 Elmer J. Bissell Road, Birmingham, Alabama 35243. The equipment cost will total \$522,297.50 and construction costs are estimated at \$18,900, which are both below the statutory thresholds requiring a Certificate of Need. Thus, Children's respectfully requests a determination of exemption status to replace the CT scanner.

The filing fee in the amount of \$1,044.60 has been submitted via the SHPDA electronic payment portal.

Should you have any questions or need clarification, please contact me at (205) 638-9012.

Sincerely,

Christi Napper
Director, Facilities Development and Institutional Planning

Russell Campus

1600 7th Avenue South Birmingham, Alabama 35233 tel 205.638.9100 www.ChildrensAL.org

State Health Planning and Development Agency

Mailing address: Post Office Box 303025, Montgomery, Alabama 36130-3025
 Street address: 100 North Union Street, Suite 870, Montgomery, Alabama 36104

Request # EQR 2019-001
 Date Rec. _____
 Received by: _____

REQUEST FOR DETERMINATION OF EXEMPTION STATUS
 FOR REPLACEMENT OF EXISTING EQUIPMENT

A filing fee in the amount of \$ 1,044.60 has been submitted with this application.

REQUESTER IDENTIFICATION (Check One) HOSPITAL () NURSING HOME ()
 OTHER () (Specify) _____

A. The Children's Hospital of Alabama
 Name of requester

<u>1600 Seventh Avenue S</u>	<u>Birmingham</u>	<u>Jefferson</u>
Address	City	County
<u>Alabama</u>	<u>35233</u>	<u>(205) 638-9100</u>
State	Zip	Phone

B. same as above
 Name of Facility/Organization (if different from A)

Address	City	County
State	Zip	Phone

C. same as above
 Name of Legal Owner (if different from A or B)

Address	City	County
State	Zip	Phone

D. Christi Napper, Director of Facilities Development & Institutional Planning
 Name and Title of Person Representing Proposal and With Whom SHPDA Should Communicate

<u>1600 Seventh Avenue S</u>	<u>Birmingham</u>	<u>Jefferson</u>
Address	City	County
<u>AL</u>	<u>35233</u>	<u>(205) 638-9012</u>
State	Zip	Phone

DESCRIPTION OF EQUIPMENT TO BE REPLACED DESCRIPTION OF PROPOSED NEW EQUIPMENT

A. Manufacturer:
 Siemens _____ GE _____
 _____ _____
 _____ _____
 _____ _____

 Serial #
 50876 _____ TBD _____
 _____ _____
 _____ _____
 _____ _____

B. Model:
 Somatom Sensation 16 _____ Revolution EVO ES _____
 07393114 _____ _____
 _____ _____
 _____ _____

C. Name of equipment:
 CT Scanner _____ CT Scanner _____
 _____ _____
 _____ _____

D. Fair market value of equipment at present:
 \$16,000 - \$100,000 _____
 _____ _____
 _____ _____

E. Cost of equipment (include written price quote):
 \$532,297.50 _____
 _____ _____
 _____ _____

F. Describe use of current equipment:
 The existing equipment is used to perform CT examinations.

 Describe use of proposed equipment:
 The new equipment will perform similar CT examinations as current equipment.

G. List any attachments or additional procedures associated with this equipment that could not be performed by old equipment:
 None _____
 _____ _____
 _____ _____

H. Can any procedures be performed with the proposed new equipment that cannot be performed with the replaced equipment? If yes, describe in detail:

There are no additional procedures to be provided by the new equipment.

I. Location of existing equipment (include room #):

The existing equipment is located at Children's multi-specialty outpatient clinic located in the Children's South facility at 1940 Elmer J. Bissell Road, Birmingham, Alabama 35243. There is no room number.

J. List specially trained or qualified personnel necessary for operation of equipment:

Personnel include Radiologists, CT technologists, and Imaging nurses.

K. What use will be made of old equipment when replaced?

(Trade in on new equipment, used as back up, save for parts, etc.)

The old equipment will be traded in on new equipment.

L. List job titles of any additional personnel that will be required to operate the new equipment.

There are no additional personnel.

M. Describe any renovation or new construction that will be necessary for the installation of the replacement equipment and cost.

After the old equipment is removed, the room will receive minor updates (i.e, flooring, electrical, and paint).

N. Describe any new annual operating cost associated with this project such as maintenance contracts, salaries of new employees hired due to equipment, etc.

There are no new annual operating costs.

III. COST

- A. Equipment costs \$ 532,297.50
 (Costs have to be supported by price quote on manufacturer's stationery or letterhead.) Cost of equipment only; do not list lease cost.
- B. Less trade-in of old equipment \$ 10,000.00
- C. Total cost of equipment \$ 522,297.50

Calculation of fee for this determination:

Multiply dollar amount in III.C. (total cost of equipment) times 1% (the application fee for a Certificate of Need); 20% of this amount is the application fee for non-rural hospitals.

For rural hospitals, the application fee is 25% of the application fee as calculated above for non-rural hospitals.

Include manufacturer's literature on old equipment, if available, and on the new equipment.

Include any other information pertinent to the determination.

The Executive Director may request any other information which is relevant to his decision.

IV. CERTIFICATION

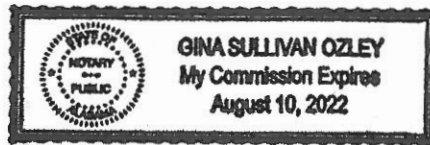
I certify that the information provided herein is true and correct and that there is no additional information which would be pertinent to this application which has not been provided. Further, I understand that any misrepresentation on this application or failure to include relevant information may void any favorable determination secured by such misrepresentation or omission.

William Michael Warren Jr
Signature of Applicant

William Michael Warren, Jr. - CEO
Applicant's Name and Title
(Type or Print)

Sworn to and subscribed before me this
28th day of September, 2018.

[Signature]
Notary Public (affix seal on original)





GE Healthcare

Date: 08-16-2018
Quote #: PR14-C38708
Version #: 24
Q-Exp-Date: 09-30-2018

Issued By:
GE Healthcare
FEIN: 14-0689340

Customer Address:
Childrens of Alabama
1600 7th Ave S
Birmingham AL 35233-1711

Attention:
Mrs. Jackie Canter
1600 7th Ave S Birmingham
AL 35233-1711

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

Governing Agreement: Novation - Vizient Supply LLC Academic
Customer Number: 1-23LC59
Terms of Delivery: FOB Destination
Billing Terms: 80% delivery / 20% Installation
Payment Terms: Net Due in 30 Days
Total Quote Net Selling Price: \$522,297.50
Sales And Use Tax Status: Exemption Certificate on File

** The following ship to states do not impose a sales/use tax (AK, DE, MT, NH, OR). No exemption certificate required.

INDICATE FORM OF PAYMENT:
If "GE HEF Loan" or "GE HEF Lease" is NOT selected at the time of signature, then you may NOT elect to seek financing with GE Healthcare Equipment Finance (GE HEF) to fund this arrangement after shipment.
 Cash/Third Party Loan/Check GE HEF Loan
 GE HEF Lease Third Party Lease(please identify financing company) _____

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

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

CUSTOMER

Authorized Customer Signature Date

Print Name Print Title

Purchase Order Number (if applicable)

GE HEALTHCARE
Catherine Sutton 08-16-2018

Signature Date
Account Manager - VASO Mfr Rep
Email: catherine.sutton@ge.com
Office: 205-447-1041



GE Healthcare

Date: 08-16-2018
Quote #: PR14-C38708
Version #: 24
Q-Exp-Date: 09-30-2018

Total Quote Selling Price	\$532,297.50
Trade-In and Other Credits	\$10,000.00

Total Quote Net Selling Price	\$522,297.50

To Accept this Quotation

Please sign and return this Quotation together with your Purchase Order To:
Catherine Sutton
Office: 205-447-1041
Email: catherine.sutton@ge.com

Payment Instructions

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

To Accept This Quotation

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

"Upon submission of a purchase order in response to this quotation, GE Healthcare requests the following to evidence agreement to contract terms.

Signature page on quote filled out with signature and P.O. number.

*****OR*****

Verbiage on the purchase order must state one of the following: (i) Per the terms of Quotation # _____; (ii) Per the terms of GPO# _____; (iii) Per the terms of MPA # _____; or (iv) Per the terms of SAA # _____. Include the applicable quote/agreement number with the reference on the purchase order.

In addition, source of funds (choice of: Cash/Third Party Loan or GE HEF Lease or GE HEF Loan or Third Party Lease through _____), must be indicated, which may be done on the quote signature page (for signed quotes), on the purchase order (where quotes are not signed) or via a separate written source of funds statement (if provided by GE Healthcare)."



GE Healthcare

Date: 08-16-2018
Quote #: PR14-C38708
Version #: 24
Q-Exp-Date: 09-30-2018

08-16-2018

GPO Agreement Reference Information

Customer: Mrs. Jackie Canter
Contract Number: PLEASE SEE VIZIENT CONTRACT # BELOW
Start Date: 06/02/2011
End Date: 09/30/2019

Billing Terms: 80% delivery / 20% Installation
Payment Terms: Net Due in 30 Days
Shipping Terms: FOB Destination

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

This product offering is made per the terms and conditions of Novation/GE Healthcare GPO Agreement # XR0321 (CT) and # XR11031 (PET-CT).

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

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

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



GE Healthcare

Date: 08-16-2018
Quote #: PR14-C38708
Version #: 24
Q-Exp-Date: 09-30-2018

Item No.	Qty	Catalog No.	Description	Ext Sell Price
	1		Revolution EVO**	
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.
2	1	S7880ES	Revolution EVO System- ES configuration Today's healthcare environment is about creating new solutions to pressing needs. It's about understanding how one CT exam can improve patient outcomes while lowering the cost of providing care. Revolution EVO is designed with the purpose of operating in this new reality, while anticipating the challenges of tomorrow. It's designed to support the widest variety of patients and applications, from complex trauma or cardiac cases, to large patient backlogs in busy emergency departments that strain workflows and resources. The design of Revolution EVO is made for institutions that are unable to sacrifice advanced capabilities such as high resolution for daily productivity. It is well suited for those who need to provide the lowest dose possible. And it provides options to expand your referral physician base and the services you provide to your community. Revolution EVO is the next generation Volume CT with compact design and advanced technologies including Clarity Imaging system delivering up to 0.28mm of spatial resolution enabling you to see fine anatomical details, providing a pathway to a quick, confident diagnosis and delivering vastly improved image quality across the entire body enables you to broaden your clinical applications and potentially improve treatment paths for diverse patient needs. Diagnostic images at the right dose add up to great care. Our innovative iterative reconstruction technologies are designed to reduce noise levels, improve low-contrast detectability and reduce dose for all patients. Additional Smart Dose technologies like organ dose modulation and XR-29 capabilities help you monitor, measure and manage your dose delivery.	\$302,400.00



Item No.	Qty	Catalog No.	Description	Ext Sell Price
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Often the only thing you can predict about your workday is how unpredictable it will be. Revolution EVO is designed to help you manage this unpredictability - quickly and compassionately. Revolution EVO Smart Flow technologies are designed to help you improve productivity by streamlining user workflow and access to information, enabling you to perform more studies in less time and manage your patient flow up to 40% more efficiently.

Revolution EVO is designed to help you compete in your market by helping to manage the health of your patient population today with precision, efficiency and the right dose. ASiR-V low-dose capabilities make it ideal for pediatric scans, oncology and chronic disease follow-up. At the same time, Revolution EVO can give you the flexibility to expand your services to the fastest growing procedures like advanced coronary CCTA and TAVI planning.

Revolution EVO is designed for you
 Clarity Imaging Chain

Completely redesigned imaging chain resulting in the best spatial resolution in its class. Including wide coverage of 40 mm and high resolution so that you can see details as small as just 0.28 mm. Clarity's patented design integrates the data acquisition system directly with the photo diode reducing the size of this integrated system by 75%, improving signal to noise by 44% and power consumption by 50% compared to previous systems. The Performix 40 Plus tube delivers exceptional performance. The new liquid bearing and dual focal spot design improves precision and up to 0.35 second routine rotation enables faster scan times. This may allow for shorter breath holds, may reduce the need for sedation and reduce patient motion artifacts.

Clarity Imaging Chain provides the following:

- 40 mm of coverage at 1.25mm slice thickness
- Cable free between ASIC and Diode, and has a capability to reduce electric noise.
- Generation, up to 90% less heat compared with previous GE technology
- Improved signal to noise up up 44% compared with previous GE technology



Item No.	Qty	Catalog No.	Description	Ext Sell Price
			<ul style="list-style-type: none"> • Optimized collimator to reduce scatter dose, noise and artifacts. • Performix40* Plus X-ray tube provides less focus movement. • Using the 0.35sec rotation speed and higher pitch, a full-body trauma scan of 1000 mm can be acquired in as little as 6 seconds. <p>ASiR iterative reconstruction technology may enable reduction in pixel noise standard deviation (a measurement of image noise). The ASiR algorithm may allow for reduced mA in the acquisition of images, thereby reducing the dose required.</p> <p>ASiR iterative reconstruction technology also may enable improvement in low contrast detectability(**)</p> <p>(**) In clinical practice, the use of ASiR may reduce CT patient dose depending on the clinical task, patient size, anatomical location and clinical practice. A consultation with a radiologist and physicist should be made to determine the appropriate dose to obtain diagnostic image quality for the particular clinical task.</p> <p>ASiR-V optional Smart Technologies Smart Dose</p> <p>Intelligent technology designed to help you acquire high-quality images using lower doses of radiation, contributing to more accurate diagnoses and lower exposures for patients. Includes dose management tools such as organ dose modulation,</p> <p>Organ dose modulation</p> <p>Organ Dose modulation provides reduction of radiation dose via X-ray tube current modulation for sensitive tissues, such as breasts or eyes.</p> <p>Revolution EVO is compliant with the NEMA XR 25, and XR 29 standards.</p> <p>Including: Dose Check, DICOM Structured dose reporting. Adult and Pediatric reference protocols</p> <p>Dose Check - Patient pre-scanning monitoring and alerts.</p> <p>Receive notifications and alerts if your predetermined dose levels will be exceeded. You can correct and confirm the right settings before scanning to avoid unnecessary radiation dose to your patient. Dose check is based on standard XR 25-2010 published</p>	



Item No.	Qty	Catalog No.	Description	Ext Sell Price
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by The Association of Electrical and Medical Imaging Equipment Manufacturers (NEMA).

Dose Reporting: CTDIvol, DLP, Dose Efficiency are displayed to the user during scan prescription and at the end of the exam. The CTDIvol, DLP, and Phantom size used to calculate dose is automatically saved once the user selects End Exam.

DICOM Structured Dose Report generates a CT Dose Report, which can enable tracking of dose (CTDIvol and DLP) for the patient by the hospital radiation tracking system.

3D mA Modulation utilizing SmartmA and Auto mA,

3D mA Modulation allows you to personalize protocols and optimize dose for every patient – large and small. During the patient scan, in real-time, these automatic exposure controls, modulate dose in 3D helping you deliver consistent image quality because it automatically accounts for the changing dimensions of your patient’s anatomy. 3D mA modulation acquisitions may reduce dose compared with fixed mA acquisitions. Auto mA modulation is designed to optimize the dose for the user prescribed noise index. Its effect on dose depends on the patient body habitus, and prescribed noise setting.

Dynamic Z-axis tracking

Dynamic Z-axis tracking provides automatic and continuous correction of the x-ray beam shape to block unused x-ray at the beginning and end of a helical scan to reduce unnecessary radiation.

DoseWatch Explorer*§ Web based dose management solutions.

Analyze, identify, and optimize patient dose. Track and monitor patients’ cumulative radiation dose over time and take steps to prevent excessive radiation dose.

- 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 system warranty.



Item No.	Qty	Catalog No.	Description	Ext Sell Price
			<p>Smart Flow</p> <p>Designed to help you improve productivity and patient experience by streamlining your workflow and access to information.</p> <p>Smart Flow technologies:</p> <p>Silent design of Revolution EVO gantry allows significant reduction of audible noise compared with previous GE technology.</p> <p>Xtream Display is a multi-purpose touch LCD screen on the Revolution EVO gantry. .Xtream Display can show the user basic patient information as well as enable advanced capability of One Stop ED mode and instructional or distraction videos. The user can confirm patient information in the scan room, improving workflow improvement with preset positioning (Default Patient positioning) on gantry display.</p> <p>Fast, hands-free patient positioning</p> <p>Xtream Display provides workflow improvement with preset positioning (Default Patient Positioning) on the gantry display. Default Patient Positioning provides user friendly positioning. After patient is positioned on the table, the operator touches the selects the anatomical reference on the Xtream Display. The table is transferred to that anatomical reference simply by the foot pedal has been pressed by the user.</p> <p>One stop scanning mode - Exam prescription from the patient's side,</p> <p>Revolution EVO's exceptional one stop scanning mode provides a streamlined workflow on the Xtream Display. From the Xtream display at the gantry the user can: 1. select the patient from the worklist, 2, Select the appropriate protocol, 3, Confirm the firm the 1st within the selected protocol. All without having to leave the patients side.</p> <p>Image Check - Real-time reconstruction during the scan:</p> <p>With Image Check, up to 55 images are reconstructed and available per second. Reconstructing images in real time helps you focus solely on the well being and diagnosis of your patient.</p> <p>Instructional or Distraction videos</p> <p>Instructional videos are to assist the user in explaining the CT</p>	



Item No.	Qty	Catalog No.	Description	Ext Sell Price
			<p>examination to patients. This is very useful when the user and patient do not speak the same language. Distraction videos are for young patient to help keep them distracted during exam prep and scanning.</p> <p>Additional the Movie Change feature allows you to upload your own video</p> <p>10 PMRs</p> <p>For trauma patients, when the extent of the injuries is unknown, you can prospectively prescribe up to 10 multiphase reconstructions and easily prioritize which one you need first.</p> <p>Protocol management</p> <p>GE's protocol management is improved with the addition of a workflow improvement feature, which allows easy configuration of back to back Axial or helical scans of the same anatomy at two different X-ray energies (kVps). To further improve registration accuracy, patient immobilization may be utilized. The additionally acquired dual energy data can be post-processed on console or AW workstation using Add/Sub function to gain additional clinical information.</p> <p>Access to advanced applications right on the console.</p> <p>Smart IQ</p> <p>IQ Enhance pitch booster - Scan a chest in as fast as two seconds with 175 mm/sec acquisition speed to help shorten patient breath-holds while maintaining image quality. Requires 0.35 second rotation speed capability to achieve 175mm/sec..</p> <p>Adaptive Enhance Level Adjustment (AELA) may improve visual spatial resolution while maintaining pixel noise standard deviation and artifact.</p> <p>Direct MPR with Auto-Batch feature, affording automatic real-time direct reconstruction and transfer of fully corrected multi-planar images, also allows users to move from routine 2D review to prospective 3D image review of axial, sagittal, coronal, and oblique planes while enabling automated protocol-driven batch reformats to be created and networked to their desired reading location.</p> <p>Scan mode: Helical</p> <ul style="list-style-type: none"> • Helical Scan Speeds: Full 360° rotational scans: 0.7, 0.8, 0.9, 1.0 	



Item No.	Qty	Catalog No.	Description	Ext Sell Price
			<p>second</p> <ul style="list-style-type: none"> • Helical Pitch (nominal): 0.516 to 1.531 • Cardiac Pitch: 0.16 to 0.325 (with cardiac option) • Selectable kV: 80, 100, 120, 140 • Selectable mA: 10 to 400, 5mA increments • Reconstruction Algorithms: Soft Tissue, Standard, Detail, Chest, Bone, Bone Plus, Lung, Ultra, Edge, Edge Plus <p>Scan Mode: Axial & Cine</p> <ul style="list-style-type: none"> • Scan Speeds: 0.7, 0.8, 0.9, 1.0, and 2.0 second full scans (360° acquisition). • Selectable kV: 80, 100, 120, 140 • Scan Plane Geometry: ± 30° gantry tilt, 0.5° increments • Reconstruction Algorithms: Soft Tissue, Standard, Detail, Chest, Bone, Bone Plus, Lung, Ultra, Edge, Edge Plus <p>System Components:</p> <p>Gantry Advanced slip ring design continuously rotates the generator, Performix*40 Plus, Clarity detector and data acquisition system around the patient.</p> <p>Aperture: 70 cm</p> <p>Maximum SFOV: 50 cm</p> <p>Tilt: +/- 30 degrees, speed 1 degree/sec</p> <p>Multi-purpose LCD touch screen display with workflow features</p> <p>Integrated start scan button with countdown timer to indicate when x-ray will turn on.</p> <p>X-ray Tube: Performix*40 plus liquid metal bearing tube unit offers an optimized design for exams requiring a number of scans without tube cooling.</p> <ul style="list-style-type: none"> • Wide range of technique (10 mA to 400 mA, in 5 ma increments) gives technologist and physician flexibility to tailor protocols to specific patient needs for optimizing patient dose. • Heat storage capacity: 7.0MHU(Performix*40 Plus) • Dual Focal Spots: <ul style="list-style-type: none"> o Small Focal Spot: 0.7 (W) x 0.6 (L) Nominal Value; (IEC 60:193) o Large Focal Spot: 0.9 (W) x 0.9 (L) Nominal Value; (IEC 60:193) 	



Item No.	Qty	Catalog No.	Description	Ext Sell Price
			<p>High Voltage Generator: High Frequency on-board generator allows for continuous operation during scan.</p> <p>400mA based system</p> <ul style="list-style-type: none"> • kV: 80, 100, 120, 140 • Max Power: 48kW (72kW optional) • mA: 10 to 400 mA 5mA increments (up to 560 mA option), <p>Clarity Hilight Detector:</p> <p>64 slice system</p> <p>40 mm Clarity Hilight Detector system is comprised of 54,272 individual elements providing 20mm of 0.625mm slice coverage and 40mm of 1.25mm slice coverage. Data is acquired either as thin slice at 0.625mm or as thicker slices at 1.25mm with the ability of thicker slices from image reconstruction or processing. 98% absorption efficiency.</p> <p>Clarity DAS (Data Acquisition System): The Clarity DAS dramatically reduces noise and improves image performance.</p> <ul style="list-style-type: none"> • 2,460 Hz maximum sample rate. • 861 - 1968 views per rotation. <p>Revolution EVO computer system:</p> <ul style="list-style-type: none"> • 2,100GB Disk (system, image, scan disks) stores up to 460,000 512x512 images and 3520 scan rotations at 64 slice mode or up to 1,500 scan data files, or up to 300 exams. • Reconstruction speed with Standard reconstruction: Up to 55 frames per second with Image Check and Up to 35 frames per second in full 512 matirx <p>Warranty: The published Company warranty in effect on the date of shipment shall apply. The Company reserves the right to make changes.</p> <p>General Electric Company reserves the right to make changes in specifications and features shown herein, or discontinue the product described at any time without notice or obligation. Laser alignment devices contained within this product are appropriately labeled according to the requirements of the Center for Devices and Radiological Health.</p> <p>Asterisk*: Trademark of General Electric Company</p>	



GE Healthcare

Date: 08-16-2018
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Item No.	Qty	Catalog No.	Description	Ext Sell Price
3	1	B7590EN	English Keyboard Kit English Keyboard Kit	Incl.
4	1	B7660MR	CT Standard cable set System standard cable set	Incl.
5	1	B7880AB	VT1700 TABLE The Optima 1700 table enables volume scanning. Key features of this 1700 table include: easy patient access by lowering to <17 inches from the floor, 500lb weight capacity, up to 1700mm scannable range, 137.5 mm/sec travel time, real-time Z-axis position feedback between gantry and table.	Incl.
6	1	B7880MR	Smart MAR option MAR (Metal Artifact Reduction) software MAR helps reduce photon starvation, beam hardening and streak artifacts caused by high Z materials in the body, such as hip implants. The clarity of MAR images is addressing the challenges posed by metal artifacts, helping clinicians accurately contour targets and critical organs. MAR offers: Exceptional image quality. MAR is based on the latest in GE Healthcare smart technology, which uses a novel three-step, sinogram-based iterative algorithm. Streamlined workflow. MAR requires only one scan, making the process of obtaining a corrected image fast and efficient. Dose conscious.	\$25,200.00



Item No.	Qty	Catalog No.	Description	Ext Sell Price
			<p>MAR requires only one acquisition.</p> <p>Patient comfort.</p> <p>The efficient, single-scan process helps to reduce patient time inside the scanner.</p> <p>Versatility.</p> <p>MAR is designed to enhance clarity across a range of images including scans of hip implants, dental fillings, screws and other metal objects.</p>	
7	1	B7880CH	<p>Power Upgrade Option</p> <p>The Power Upgrade Option upgrades the maximum allowable mA selection of the on-board high frequency generator by 40% from 400 mA max to 560 mA for routine scanning.</p>	\$20,416.00
8	1	B7810LW	<p>0.5 sec VariSpeed Scanning option</p> <p>VariSpeed Scanning Option</p> <p>Enables 0.5, 0.6, 0.7, 0.8, 0.9, 1.0 second rotation acquisitions</p>	\$4,593.60
9	1	B7880CM	<p>ASiR-V Option</p> <p>ASiR-V is the newest technology in GE's family of industry leading iterative reconstruction techniques. ASiR-V allows healthcare providers to lower dose by up 82% as compared to standard filtered back-projection (FBP) reconstruction at the same image quality¹</p> <p>ASiR-V may provide the following.</p> <ul style="list-style-type: none"> • ASiR-V reduces dose by up to 82% relative to FBP at the same image quality¹ • ASiR-V improves low contrast detectability by 59% to 135% at the same dose+ • ASiR-V reduces image noise up to 91% at the same dose+ • ASiR-V improves spatial resolution up to 2X (107%) at same image noise+ • ASiR-V image reconstruction has the capability to reduce low 	\$105,000.00



GE Healthcare

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			<p>signal artifact such as streak artifact compared to FBP+ Image quality as defined by low contrast detectability.</p> <p>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 clinical task. Low Contrast Detectability (LCD), Image Noise, Spatial Resolution and Artifact were assessed using reference factory protocols comparing ASiR-V and FBP. The LCD measured in 0.625 mm slices and tested for both head and body modes using the MITA CT IQ Phantom (CCT183, The Phantom Laboratory), using model observer method.</p>	
10	1	B75342CA	<p>Coronal Head Holder</p> <p>Coronal Head Holder.</p>	\$210.00
11	1	E4502KY	<p>10 KVA Partial UPS for CT LightSpeed and LightSpeed PRO</p> <p>The 10 KVA Partial UPS has been specifically designed to coordinate with GE Healthcare CT and PET/CT scanners. In the event of a power outage, a partial system UPS provides continuous backup power to the scanner host and control computers, thus assuring no loss of usable scan data.</p> <ul style="list-style-type: none"> • Critical circuits in the gantry and table remain powered which facilitate the safe of the patient from the scanner. • If power is restored within the battery hold-up time, the operator can continue scanner operations without the need to reboot the system. • When longer power outages are anticipated, the UPS provides time for the operator to to complete an orderly shutdown of the system software. • Maintains system electronics and allows critical scanner operations to continue for 10 minutes (typical) after loss of power • Protects electronics from under voltage, brownouts, line sags, over voltage and transients • Dimensions (H x W x D): 32.7" x 12" x 32" 	\$16,553.60



Item No.	Qty	Catalog No.	Description	Ext Sell Price
			<ul style="list-style-type: none"> Weight: 350 lbs. Output Frequency: 50 or 60 Hz, auto-sensing <p>NOTES:</p> <ul style="list-style-type: none"> ITEM IS NON-RETURNABLE AND NON-REFUNDABLE REMOVAL/DISPOSAL OF OLD UPS IS THE CUSTOMER'S RESPONSIBILITY INSTALLATION AND RIGGING IS NOT INCLUDED CONTACT GE SERVICE FOR START-UP ASSISTANCE 	
12	1	E4502BB	<p>CT Main Disconnect and UPS Control 380-480V 50 60Hz 90A</p> <p>Main Disconnect Panel (MDP) UL 90A 400/480V 50/60Hz 3 phases for CT, PET and PETCT</p> <p>The (Main Disconnect and UPS Control Panel serves as the main facility power disconnect source installed ahead of the CT system PDU. On systems where the optional partial system UPS is included in the system, the panel provides NEC mandated UPS emergency power-off control function via a UPS control cable included with the UPS. The optimized design PDB saves time, installation labor, and valuable mounting space by consolidating the main circuit breaker, control power source and required warning lights into a compact factory manufactured panel. The panel provides short circuit protection, overload protection and National Electrical Code and Canadian Electrical Code required emergency shutdown for the system. The 24-volt low voltage controls all power, using either the panel cover mounted EMERGENCY OFF push button or the remote EMERGENCY OFF push button included with each system. The PDB is painted to match the imaging system for a total coordinated system appearance. Available in a combination surface\semi-flush mounted enclosure. The system provides stock availability of otherwise special-order devices, saving time and installation costs.</p> <p>Benefits</p> <ul style="list-style-type: none"> The System Main Disconnect saves time, installation labor, and valuable mounting space by consolidating the main circuit breaker, the feeder overcurrent devices, magnetic contactors and UPS emergency power-off into one compact panel 	\$4,535.30



Item No.	Qty	Catalog No.	Description	Ext Sell Price
			<ul style="list-style-type: none"> • The system provides stock availability of otherwise special-order devices, saving time and installation costs • Reduces installation time and cost by eliminating delays in obtaining individually enclosed components and by eliminating on site assembly • UPS emergency power-off functions are included for future, partial system UPS addition. • Disconnects system power on first loss of incoming power, preventing damage to system components • Provides a standardized platform for UPS or other future GE engineered modifications or upgrades • Main power disconnect operating handle can be padlocked in the OFF position for servicing safety and OSHA lock out/tag out • The door has provisions for padlocking • Enclosure door is interlocked with ON / OFF disconnect handle to prevent unauthorized access if disconnect is in the ON position <p>Features</p> <ul style="list-style-type: none"> • Optional partial system UPS provides clean uninterrupted power to the system computer, maintaining system integrity during power loss while also providing a solution to power quality problems • UL, cUL listed, and CE labeled • Supplied with low voltage, cover mounted Push to Stop, Twist to Restore pushbutton and long-life LED pilot lights • Provides overcurrent and short circuit protection with GE GuardEON solid-state circuit breakers • Suitable for use on systems with 25,000A of short circuit current. It is the installer's responsibility to verify that the available short circuit current is 25,000A or less for compliance to all electrical codes • Emergency-off disconnects power to both the PDU and optional partial system UPS output, per National Electric Code • Factory wired and tested • All devices are selected for high reliability and long life • Panel disconnect provides OSHA lockout / tag out provisions <p>Remote EPO</p>	



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			<ul style="list-style-type: none"> This MDP comes with two normally closed contact blocks attached to the back of the emergency off push button. <p>Seismic Specifications</p> <ul style="list-style-type: none"> This Panel has been certified by an independent California structural engineer in conformance with the shake testing requirements of ICC-AC 156. The California OSHPD number is OSP-0457-10. The seismic performance characteristics are as follows: SDS(g) # 2.56; z/h # 1.0 ; Ip # 1.5 <p>Physical Characteristics</p> <ul style="list-style-type: none"> Dimensions: Height x Width x Depth: 24 x 16 x 7 inches (610 x 407 x 178 mm) Handle depth: 2.75 inches (70 mm) Weight: 46 pounds (21 kg) <p>Components supplied with each panel</p> <ul style="list-style-type: none"> The Main Disconnect and UPS Control Panel An Installation, Operations & Service Manual (2) sets of Emergency Power Off pushbuttons with 2NC on each EPO Drawings and Electrical Schematics 	
13	1	E8003S	CT Child Positioner CT Child Positioner	\$1,120.00
14	1	E8016AZ	CT Table Slicker with Cushion - 1700 Systems (2-pc Set) CT Table Slicker with Cushion - 1700 Systems (2 Piece Set) FEATURES/BENEFITS	\$294.00
			<ul style="list-style-type: none"> Two-piece, sealed slicker cushion set has comfort pads enclosed inside the slicker cover and extender cover Durable, clear PVC plastic cover facilitates faster, more thorough cleanup of blood and fluids Increase system uptime by protecting table from spills and particulate contaminants Thermo-sealed seams and flaps prevent contaminate buildup in hard to clean areas 	



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Item No.	Qty	Catalog No.	Description	Ext Sell Price
			COMPATIBILITY	
			<ul style="list-style-type: none"> VCT with GT 1700 Table, CT HD750 	
15	1	E8016BA	<p>CT Footswitch Slicker - 2000 & 1700 Systems</p> <p>CT Footswitch Slicker - 2000 & 1700 Systems</p> <p>The footswitch slicker for CT VCT 2000 and 1700 systems is made of durable, clear PVC plastic that protects the footswitch and facilitates faster, more thorough cleanup of contamination caused by blood and other body fluids. Cover is held securely in place with Velcro...H</p>	\$35.00
16	1	R23053AC	<p>Standard Service License</p> <p>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.</p>	Incl.
	1		CT Accessories	
17	1	E8007PJ	<p>OCS III Mounting Plate</p> <p>OCS III Mounting Plate</p>	\$455.00
18	1	E80141DB	<p>MEDRAD Stellant D DualFlow ISI-ready on ceiling mount (85cm post length) with Certegra Workstation</p> <p>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:</p> <ul style="list-style-type: none"> 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 	\$39,910.50



Item No.	Qty	Catalog No.	Description	Ext Sell Price
			<p>head</p> <ul style="list-style-type: none"> • 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 <p>Certegra Workstation</p> <p>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)</p> <ul style="list-style-type: none"> • 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 <p>Ceiling-mount configuration includes:</p> <ul style="list-style-type: none"> • Dual injector head on Overhead Ceiling Counterpoise • Syringe heat maintainer • Certegra Workstation with USB drive • DualFlow software • ISI-ready software to accept ISI900G integrated injector option† • 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 	



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			<p>System Specifications</p> <ul style="list-style-type: none"> • Flow Rate (range & increments): 0.1 to 10 ml/sec in 0.1 ml increments • Volume (range & increments): 1 ml to syringe capacity in 1 ml increments • Programmable Pressure Limit 200 ml syringe: 325 psi, 2241 kPa • Scan delay: 0-300 seconds (5 minutes) in 1 second increments • Pause: 1-900 seconds (15 minutes) in 1 second increments • Hold: maximum HOLD time is 20 minutes • Syringes (volume capacity): 200 ml sterile disposable syringe • Number of phases: 6 • Number of protocols: 250 • Electrical Requirements (VAC/Hz): 100-240 VAC, 50/60 Hz • Syringe Heat Maintainer Range: 35 °C +/-5, 95 °F +/-9 • Dual Injector Head: 15.5 cm (6.1") H x 30.7 cm (12.1") W x 36.8 cm (14.5") D, 8.1 kg (17.0 lb) without syringe • Certegra Workstation (CWS): 34.2 cm (13.5") H x 40.0 cm (15.8") W x 30.0 cm (10.2") D, 8.0 kg (17.6 lb) • Base Unit: 29.2 cm (11.5") H x 27.9 cm (11.0") W x 22.2 cm (8.8") D 	
19	1	E8006RB	<p>STELANT SDS-CTP-SPK SYRNG</p> <p>Medrad Stellant Dual 200 ml Syringe kit, low-pressure tubing with T-connector and 2 sterile spikes, 20 per box. . H</p>	\$374.50
	1		TiP CT Applications	
20	2	W0009HC	<p>3.5 day TiP HQ Class CT Cardiac Imaging - Full Service</p> <p>TiP HQ Class CT Cardiac Imaging - Full Service</p> <p>3.5 day CT course held in the Milwaukee area. Includes travel and modest living expenses.</p> <p>This course covers anatomy, patient preparation, scanning, data reconstruction, and post processing.</p> <p>This training program must be scheduled and completed within 12 months after the date of product delivery.</p>	\$11,200.00



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Item No.	Qty	Catalog No.	Description	Ext Sell Price
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Quote Summary:

Total List Price:	\$1,328,097.00
Total Discount: (59.92%)	(\$795,799.50)
Total Extended Selling Price:	\$532,297.50
Toshiba Trade in	
Total Quote Net Selling Price	\$522,297.50

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



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Options

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

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21	1	E8006RB	<p>STELANT SDS-CTP-SPK SYRNG</p> <p>Medrad Stellant Dual 200 ml Syringe kit, low-pressure tubing with T-connector and 2 sterile spikes, 20 per box. . H</p>	\$428.00	X_____
22	1	E1500CA	<p>Adventure Series - CT Pirate Island for Revolution CT, Revolution HD, Revolution/Discovery GSI, Revolution EVO, CT750HD, VCT, Optima CT660, CT540, CT520 Systems</p> <p>Adventure Series - CT Pirate Island for Revolution CT, Revolution HD, Revolution/Discovery GSI, Revolution EVO, CT750HD, VCT, Optima CT660, CT540, CT520 Systems</p> <p>The GEHC Adventure Series provides a unique pediatric patient experience designed to lessen anxiety and to promote enhanced overall scanning</p> <p>REQUIREMENTS FOR INSTALLATION</p> <ul style="list-style-type: none"> • NOTE: For all orders in Alaska, Hawaii, Canada and Puerto Rico, E1500ZA must be included to cover additional installation expenses • NOTE: Allow 3 to 5 days for Adventure Series installation once the room is complete Multiple room installations may require additional lead time • The required wall texture for successful graphic application and adhesion shall be SMOOTH, properly primed, painted and cured wallboard that has little or no surface variation. • NOTE: Too much surface texture allows adhesive contact only with the high points of the wall, which does not provide sufficient contact for a good smooth wall application • Must prime wall with primer that is compatible with the top coat paint • Satin or Semi-Gloss paint must be used 	\$68,750.00	X_____



Item Qty No.	Catalog No.	Description	Ext Sell Price
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- A minimum of two coats of paint must be used
- Final coat of paint must dry for twenty one (21) days before applying graphics to the wall

SURFACE PREPARATION

- Repair any existing wall damage
- Clean the wall prior to priming and painting
- There shall be no existing graphics on the walls prior to installation
- Prime the wall with a high quality, oil based primer

OPTIMUM PAINT COLOR

- Pirate Island: BLUE (PMS-284) BLUE (PMS-468)
- Rollery Type: Use a short nap (1/4 or 3/8 inch) roller
- Dry Time: Allow the final coat of paint to dry for a minimum of twenty one days before applying graphics to the wall

RESTRICTIONS

- Do not install floor graphics over loose tile
- Do not install floor graphics over uneven tile
- Do no use buffing equipment over graphics

Acceptable floor surfaces include:

- Waxed Vinyl
- Sealed concrete
- Marble
- Ceramic tile
- Sealed wood
- Terrazzo

SURFACE PREPARATION

- All floor surfaces must be clean prior to applying graphics. Including surfaces that are sealed, waxed or painted

FAILURE TO COMPLY WITH THESE REQUIREMENTS AND INSTRUCTIONS WILL VOID ANY WARRANTY OFFERED

By signing this Quote, Customer hereby authorizes



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GE Healthcare to publish/transmit/broadcast pictures that GE Healthcare takes of the Adventure Series product installed at the facility identified in this Quote and to use said pictures in GE Healthcare's marketing material. Customer understands that such marketing material may take the form of case studies, published articles, slides for presentations and web sites, in addition to other forms. Customer understands that no compensation will be paid by GE Healthcare to Customer for use and publication of the marketing material or the pictures used to create the marketing material and that GE Healthcare will retain all rights to such material, including the pictures used to create the marketing material.

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