DEPT OF VETERANS AFFAIRS MEDICAL CENTER
423 EAST 23RD STREET
NEW YORK, NY 10010

Line	Qty.	Catalog	
1	1.00	AM_MICT_VI_NMCT_SA_IB_Options_Discovery_RT_OC_IB	AM MICT VI NMCT SA IB Options Discovery RT OC IB

Line	Qty.	Catalog	
2	1.00	S7891AG	32 slice Axial Overlapped Reconstruction

Overlapped reconstruction feature enables 32 slices per rotation in axial scanning modes and delivers improved Z-axis visualization performance relative to non-overlapped reconstruction.

Line	Qty.	Catalog	
3	1.00	S7891AE	Discovery RT - EX

See everything. Miss nothing. Discovery RT Gen 2 delivers a comprehensive radiation therapy solution that provides an all-encompassing approach to radiation therapy planning, driving precision imaging with sub-millimetric images across a wide 80 cm field-of-view. Combined with the TG66 compliant table to deliver accurate patient positioning, the Discovery RT Gen 2 is also an ideal CT simulator for precision radiotherapy applications such as SRS and SBRT.

In addition, the Discovery RT Gen 2 expands on our commitment of advancing the state-of-the-art in 4D respiratory gating with interactive 4D, the newest workflow enhancement to our suite of unique 4D respiratory gating solutions. The entire 4D workflow is automated on the CT console, providing advanced capabilities for routine clinical applications such as IMRT and capabilities for advanced research such as 4D IGRT.

Last, GE's exclusive Advantage Sim MD radiation therapy simulation application can be added on a workstation or server platform to provide a complete simulation solution including:

• Isocenter placement
• Contouring
• Advanced auto-segmentation
• Multi-modality support
• 4D support for motion management
Note: Advantage Sim MD and 4D respiratory gating solutions are optional items.

Key standard system components:

Gantry: Advanced slip ring design continuously rotates the generator, Performix™ Pro VCT 100 tube, Matrix II detector and Volara digital data acquisition system around the patient.
• Aperture: 80 cm
• Maximum scan field of view (SFOV): 50 cm
• Maximum display field of view (DFOV): 80 cm
• Rotational Speeds: 360 degrees in 0.5, 0.6, 0.7, 0.8, 1.0, 2.0, 3.0 and 4.0 seconds.
• Integrated breathing lights and countdown timer
• Integrated start scan button with countdown timer to indicate when x-ray will turn on

X-ray Tube: Performix™ Pro VCT 100 metal-ceramic tube unit offers an optimized design for exams requiring a large number of scans without tube cooling such as 4D studies. Performix™ Pro VCT 100 tube allows 8.0 MHU of storage and capability of 100kW at 140kV operation.

High Voltage Generator: High Frequency on-board generator allows for continuous operation during scan.
• Output Power: 100 kW
• kV Range: 80, 100, 120, 140 kV

• mA Range: 10 to 800 mA, 5 mA increments

Internal Laser Lights: - Defined internal and external scan planes to +/- 1mm accuracy - Operate over full range of gantry tilt - Coronal light remains perpendicular to axial light as gantry tilts making visual readout easy from tableside or the operator console

HiLight Matrix II Detector: The HiLight Matrix II detector was designed to deliver consistent image quality with its 21,888 individual elements:
• Outer rows: 1.25mm effective cell size in the z-axis at isocenter
• Inner 16 rows: 0.625mm effective cell size in the z-axis at isocenter

Volara Digital DAS (Data Acquisition System): The Volara digital DAS dramatically reduces noise and improves image quality, especially in low dose exams, large patient, or areas of the anatomy that are difficult to image such as shoulder and hips.
• 12,288 available input channels - 1968Hz maximum sample rate - Effective analog to digital conversion range greater than 8,000,000:1

Operator Console: Compact and integrated industrial design console
• Split tabletop allows unrestricted patient viewing while supporting two 19-inch color LCD monitors. Each work surface can be adjusted to accommodate operator preferences and a wide variety of site requirements.
• Xtream™ FX, the next evolution of GE's workflow platform is built on the LINUX operating system and can deliver the fast network transfer rates of 10fps.
• GE's CrossBeam cone beam reconstruction algorithm delivers up to sixteen frames per second reconstruction at full resolution for any slice thickness.
• The two 19-inch monitors support scan and recon, as well as image display, processing, analysis and management.

Maximum Field of View (MaxFOV): 80 cm DFOV
• MaxFOV skin line accuracy of: 2 mm from 50 cm to 70 cm DFOV, 3 mm from 70 cm to 80 cm DFOV
• MaxFOV density accuracy of: 40 HU from 50 cm to 70 cm DFOV, 80 HU from 70 cm to 80 cm DFOV

Line	Qty.	Catalog	
4	1.00	B7877DW	VT 1700 Table

The VT 1700 table enables volume scanning. Key features of the VT 1700 table include: 500 lb weight capacity, 1700 mm scannable range, 175 mm/sec travel time, real-time position control to support advanced applications such as SnapShot Pulse, VolumeShuttle and Volume Helical Shuttle.

Line	Qty.	Catalog	
5	1.00	B7580GB	RT Long cable set

Long Cable Set

Line	Qty.	Catalog	
6	1.00	B7590EN	English Keyboard Kit

English Keyboard Kit

Line	Qty.	Catalog	
7	1.00	S7803DC	MD Connect - AW Server package 40K

MD Connect customized package - contains:
• AW Server 40,000 Images

• Integrated Registration Full Fusion
• AdvantageSIM MD9 Full

AW Server 40,000 Images
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 also serves as a workflow engine enabling optimal collaboration among physicians and allowing 3D visualization to be leveraged easily to diagnose 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.

Single Floating License of Integrated Registration - Full Fusion Package AdvantageSIM MD9 Full
Package includes each of the following options:
• AdvantageSIM MD with Multi-Modality Multi-Phase Planning
• CT Atlas-based Segmentation and Automated Replanning
• MR Pelvis Organ Segmentation Key functionality in the AdvantageSIM MD Full

Offering includes:
• Isocenter placement with laser marking interface (LAP and Gammex)
• 3D visualization with correlated axial, sagittal, and coronal views
• Manual contouring tools including freehand, point-to-point and paintbrush
• Image guided tools to speed manual contouring including live-wire and adaptive paintbrush
• Beam setup and placement with target conformation via blocks or MLC
• DRR display with Mixing and Blending
• Support for multiple simultaneous datasets including CT, MR and PET
• Diagnostic quality PET display
• 4D CT and PET display including fused 4D view
• 4D movie contouring
• SUV based PET tumor auto segmentation
• CT-atlas based contouring and re-planning
• MR-based organ segmentation in the pelvis AdvantageSIM MD with Multi-Modality/ Multi-Phase Planning Integrated Registration (Fusion) is designed to provide easy comparison of three-dimensional (3D) anatomical images from Computed Tomography (CT) MRI (Magnetic Resonance Imaging), PET (Positron Emission Tomography), Single Photon Emission Computed Tomography (SPECT) and X-Ray

Angiography (XA)*.
Fusion - Allows registration between two volumetric acquisitions, which come from either the same or from different acquisition modalities.

Line	Qty.	Catalog	
8	1.00	B7590BD	Smart MAR 2.0

Smart MAR 2.0 metal artifact reduction software helps reduce photon starvation, beam hardening and streak artifacts caused by high Z material in the body.

Smart MAR 2.0 offers:
Exceptional image quality by reducing metal artifacts using a novel three-step, sinogram based iterative algorithm
Streamlined workflow by requiring only one scan, making the process of obtaining a corrected image fast and efficient
Versatility in imaging by offering the ability to scan across a range of metal sizes including but not limited to hip implants, dental fillings, screws and other metal objects
Integrated with MaxFOV for reconstruction out to 80 cm DFOV

Line	Qty.	Catalog	
9	1.00	B7580MT	Deviceless 4D option

Smart Deviceless 4D, a breakthrough innovation in 4D CT simulation for RT planning, improves productivity and delivers suburb efficiency, as it:

• is an alternative and efficient solution for 4D imaging and virtual simulation - without an external device.
• Eliminates the need for the sometimes complex & time-consuming exam specific setup using an external respiratory monitoring device
• Uses internal anatomical metrics from image data to determine breathing signal in real-time
• Combines amplitude & phase binning for optimal 4D CT image quality
• Provides streamlined, protocol-driven 4D simulation workflow, enhancing productivity and enabling shorter 4D CT examination times

Smart Deviceless 4D enables outstanding 4D CT image quality and optimized workflow, without the connection & maintenance of an external device:
• Precise measurement offers real-time data and internal anatomical metrics for visualization of tumor and organ motion
• Protocol-driven workflow...uses the same simple, efficient 4D workflow for all patients; enables clinicians to setup and scan with just a few clicks of the mouse
• Fewer parts, no additional device...no connection or parts issues, no time-consuming setup and no added hassles; built-in functionality offers inherent high reliability

Line	Qty.	Catalog	
10	1.00	B7580WD	Advantage 4D on Scanner

Advantage™ 4D on the console captures the full range of motion of critical internal structures and lesions during respiration. This application on the operator's console, aids users in selecting the proper phase(s) of the respiratory cycle in order to plan for a more targeted standard or gated radiation treatment, eliminating the need to apply general-or guessing margins. It provides the ability to perform respiratory motion assessment on the console prior releasing the patient from the CT simulator.

Auto4D is the mode of Advantage™ 4D on the console, which offers a faster, even more efficient automated 4D process workflow including binning and intensity image creation.

• Auto 4D reduces the 4D binning time by 45%

• Auto 4D enables 4D images to be automatically binned, networked and available in AdvantageSim™ MD or Treatment Planning System within 1.5 minute or less.

Line	Qty.	Catalog	
11	1.00	B7820HD	Adaptor Kit Interface

Adaptor cabling for console with LCD monitor & Suspension

Line	Qty.	Catalog	
12	1.00	B7660B	Chair

Chair for CT scanner

Line	Qty.	Catalog	
13	1.00	B77292CA	CT Service Cabinet

Service cabinet for system accessories storage

Line	Qty.	Catalog	
14	1.00	B7999ZA	**2 Phase Uninterruptible Power Supply**

Uninterruptible Power Supply

Exide Uninterruptible Power Supply. Custom Designed Firmware to Interconnect with LightSpeed Pro, LightSpeed RT, Optima and BrightSpeed Systems.

The UPS Primarily Backs Up the System Computer Functions. Bridges Short Power Outages and Provides Time for Crossover from Normal Main Power to Emergency Power.
Must be Located Within Eight Feet of the PDU.

Line	Qty.	Catalog	
15	1.00	B7716WM	**Cabling for RPM unit to Gantry**

RPM CABLE: cable for connecting CT and RPM

Line	Qty.	Catalog	
16	1.00	B7900LC	**Low Dose CT Lung Screening Option with Indication For Use**

This option provides lung screening reference protocols that are tailored to the CT system, patient size (small, average large), and the most current recommendations from a wide range of professional medical and governmental organizations. Now, qualified GE Healthcare CT scanners with this option are formally indicated for, and can be confidently used by physicians for low dose CT lung cancer screening of identified high-risk patient populations. These protocols deliver low dose, short scan times, and clear and sharp images for the detection of small lung nodules. Early detection from an annual lung screening with low dose CT in high-risk individuals can prevent a substantial number of lung cancer-related deaths.

All new GE 64-slice and greater CT scanners, and virtually all of the 16-slice CT scanners that GE Healthcare sells are qualified for this screening option. This solution is also available to thousands of qualified GE CT scanners currently in use, increasing access to the quality scanners that satisfy both patient and physician needs. The new protocols, do include the choice for the user to be able to utilize GE Healthcare's industry-leading technologies such as ASiRTM, ASiR-VTM and VeoTM that are designed to reduce image noise, which is undesirable for physicians looking for small nodules.

This option contains two documents. Lung Cancer Screening Option Reference Protocol Guide, and the Lung Cancer Screening Option User Manual / Technical Reference Manual

i) The following GE Healthcare CT scanners are qualified to receive the new low dose CT Lung Cancer Screening Option: LightSpeed 16, BrightSpeed Elite, LightSpeed Pro16, Optima CT540, Discovery CT590 RT, Optima CT580, Optima CT580 W, Optima CT590 RT, LightSpeed Xtra, LightSpeed RT16, LightSpeed VCT, LightSpeed VCT XT, LightSpeed VCT XTe, LightSpeed VCT Select, Optima CT660, Revolution EVO, Discovery CT750 HD, Revolution HD, Revolution CT, Revolution Frontier.

ii) Moyer V. Screening for Lung Cancer: U.S. Preventive Services Task Force Recommendation Statement. Ann Intern Med. 2014;160:330-338.

http://www.uspreventiveservicestaskforce.org/Page/Document/RecommendationStatementFinal/lung-cancer-screening

Line	Qty.	Catalog	
17	1.00	E8819KZ	**Varian RGSC, Respiratory Gating for Scanners, configured for couch mounting with Installation and one year warranty - US only**

Line	Qty.	Catalog	
18	1.00	E8505VG	**Docking Station for CARINAnav system only. Not for use with CARINAsim**

Line	Qty.	Catalog	
19	1.00	E8505VK	**LAP DORADO Nova Green bridge With CARINAnav**

Line	Qty.	Catalog	
20	1.00	E8505MJ	**RTP Cradle Overlay for GT 1700, 2000 and PET Tables**

Flat-panel table inserts securely lock into the GE CT and PET/CT cradle for rapid, accurate and, repeatable patient set up and localization. It has a sturdy, lightweight foam core with durable, carbon fiber construction. Designed for optimum patient comfort and treatment flexibility, it attaches quickly and securely to the cradle for more accurate studies. Accuracy: Repeatability of positioning will be accurate within 1mm when table's top is setup correctly with proper techniques.

Line	Qty.	Catalog	
21	1.00	E4502BE	**CT Main Disconnect and UPS Control 380-480V 50 60Hz 125A**

Main Disconnect Panel (MDP) UL 125A 400/480V 50/60Hz 3 phases for CT, PET and PETCT

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.

Benefits
• 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
• 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

Features
• 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 shout 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

Remote EPO
• This MDP comes with two normally closed contact blocks attached to the back of the emergency off push button.
Seismic Specifications

• 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

Physical Characteristics

• Dimensions: Height x Width x Depth: 30 x 16 x 8 inches (762 x 407 x 203 mm)
• Handle depth: 2.75 inches (70 mm)
• Weight: 55 pounds (25 kg)
Components supplied with each panel

• 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

Line	Qty.	Catalog	
22	1.00	Services-CE-Americas-Clinical Ed TV	Clincial Ed TIP TV

Qty.	Credits and Adjustments
1.00	Philips - Big Bore 16 Trade-in

Optional Items

Qty.	Description
1.00	1.5 DAYS ONC APPS TRG

1.5 Days Oncology Applications Training

Qty.	Description
1.00	TIP CT Scanner 3 Training Program

This training program is designed for customers purchasing a GEHC CT system to include EVO-ES or Discovery RT. GEHC will work with the designated Customer contact to agree upon a reasonable training schedule for a pre-defined group of core technologists that will leverage blended content delivery and may include a combination of onsite days and virtual offerings, to include TiP Virtual Assist, the GEHC Answerline, and available on-demand courses ("Virtual Inclusions"). This blended curriculum with multiple delivery platforms promotes learner retention and allows for an efficient and effective skill development.

This program may contain:
- Onsite training (generally 5 days)
- Virtual Inclusions may include:
o Remote instructor-led training: Instructor leads a remote training session one-on-one or in a group, typically for 1 hour
o Answerline Support-Access to GEHC experts for clinical, non-emergency applications assistance via phone or by using the iLinq button on the imaging console
o Tip Virtual Assist-Direct interactive access to a GEHC expert for enhanced support.
o On Demand courses-On healthcare learning system. Self-paced courses and webinars (CE and non-CE).
Onsite training days will be mutually agreed upon, but generally will not exceed 10 days. Onsite training will be provided from 8am-5pm local time Monday-Friday. Virtual Offerings are unlimited. This training program has a term of six (6) months commencing on Acceptance, where all onsite training must be scheduled and completed within six (6) months of Acceptance, and all Virtual Inclusions also expire at the end of such six (6) month period.   Additional onsite days may be available for purchase separately.
All GEHC "Training" terms and conditions apply. Given the unique nature of this program, if this program is purchased as part of a purchase under a Governing Agreement, including any Master Purchase Agreement, Group Purchasing Organization Agreement, or Strategic Alliance Agreement, this program shall take precedence over any conflicting training deliverables set forth therein.

Qty.	Description

1.00   **CT Proficient Service Training**

CT Proficient technical training is a 7.5 day course and provides the knowledge and skills necessary to perform service tasks on GE CT systems. It is an integrated training program including instructor-led, hands on labs, and online training. The training provides an understanding of CT systems including safety, principles of CT, how to perform PMs, as well as some corrective maintenance and troubleshooting. Hands on lab activities provide the student the opportunity to practice, apply, and demonstrate their knowledge and service skills across GE CT platforms. Please visit http://www3.gehealthcare.com/en/education/product_education_-_technical/ or contact us at: edservices@ge.com

Qty.	Description

1.00   **Troubleshooting Basics Service (web)**

This Course is Intended for Individuals Involved in Servicing Medical Equipment. By Taking This Course, You will Learn a Proven Process for Troubleshooting Problems with Medical Equipment. You will Also Learn How to Use Various Tools in a Troubleshooting Situation and How to Interpret Error Messages. This Course Does Not Address How to Troubleshoot Specific Products. It is Recommended That you Have Fundamental Training in a Modality Prior to Taking This Course. This course must be taken within 2 years from the purchase date.

Qty.	Description

1.00   **NETWORKING & DICOM BASIC**

Training will prepare engineers on configuring and troubleshooting networks, which use the DICOM protocol for transferring patient data and how to read and use DICOM Conformance Statements.

This course covers the following:
Introduction to 7 layer OSI and 5 layer TCP/IP protocols (Basic model only)
Identify hardware used in networking
Review of the most used networking devices, cables, NIC, switch and routers
Simple network connection with 2 to 5 devices
Dicom definitions, theory and configuration
This course must be taken within 2 years from the purchase date.

E. Trade-In Equipment:

Equipment/Vehicle Mfr	Model & Description	Quantity	* ID / Serial #
Competitive	Philips - Big Bore 16 Trade-in	1.00	Philips - Big Bore 16_Philips