REQUESTING SERVICE: SD-SPECIALTY DIAGNOSTIC S SL
SHIP TO: WAREHOUSE
V.A. Medical Center
BLDG. 20
500 North Hwy. 89
PRESCOTT, AZ 86313

REQUISITION: 649-B77011

Item No.	Qty	Description
1	1	D670-PRO 3-8

Discovery NM/CT 670 Pro premium hybrid imaging system combines an all-purpose, dual-detector, free-geometry integrated nuclear imaging system that features the advanced all-digital Elite NXT Gamma detector technology, slim gantry, cantilevered patient table and an integrated hybrid NM/CT acquisition station with the high-performance Optima CT540* system.

 Elite NXT features 3/8″ digital Gamma detector for high-performance general-purpose nuclear imaging tasks.

Optima CT540 features a 16-slice CT with short-geometry configuration , including Performix Ultra X-Ray Tube, 6.3 MHU Tube Anode Heat Storage Capacity , maximum power of 53.2 kW and the HiLight Matrix detector with Volara DAS and other advanced OptiDose dose management features for exceptional CT image quality and low dose to patients.

The Discovery NM/CT 670 Pro is comprised of the following sub-systems :

1 × Integrated, Robust NM/CT Gantry

Discovery NM/CT 670 Pro combines a slim 70 cm wide-bore NM gantry with a compact Optima CT540 gantry design. It enables acquisition of SPECT, whole body planar and SPECT, gated planar and gated SPECT studies in various geometries. Combined with fast-rotation multi-slice Optima CT540 gantry* it features a variety of Hybrid SPECT/CT and standalone CT scanning procedures

Key features include:

• Automated detector radial motion (in/out), rotation around the ring, transitions between 180° and 90° geometries ** or other orientations

• Flexible design enabling a variety of orientations to enable scanning of patients that are sitting upright, standing or lying prone on a stretcher

• A stationary gantry secured to the floor for tomographic center-of-rotation precision

• Camera setup performed interactively by the remote control handset and via user-definable, pre-programmed acquisition-specific "home" positions

• A gantry display unit showing current status of the gantry's moving parts and the patient table mounted on extended arm which has a hand-control mounted at its edge.

• Real-time, infrared-based Automatic Body Contouring (ABC) designed to enhance scanning efficiency and resolution in 90° or 180° geometry SPECT / whole body procedures and help minimize patient-detector distance in order to maximize image quality

Key Mechanical features of the NM gantry include :

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- Bore size (diameter): 27.6" (70 cm)

- Max Rotational Speed : 0.033 to 3.0 rpm

- Radial Motion Speed : 19.7" or 29.5"/min (50 or 75 cm/min)

- Rotation range: 540°

2 × Elite NXT digital gamma detectors

Elite NXT detectors feature slim, large field-of-view rectangular digital detectors, performing five real time corrections on each detected event as follows: Uniformity, Linearity, Energy, Isotope decay, Center-of-Rotation (COR)

Each detector includes:

- 3/8" NaI(Tl) crystal

- 59 circular PMTs: 53 × 3" (76 mm) and 6 × 1.5"(38 mm)

- Crystal thickness: 3/8" (9.5 mm)

- One ADC per PMT, 30.0 MHz sampling rate

- UFOV: 21.25" × 15.75" (54 cm × 40 cm)

- Energy range: 40 - 620 keV

1 × Advanced Hybrid SPECT/CT Patient Table

Designed for user convenience and maximal patient comfort, the robust Hybrid SPECT/CT table is used for planar, whole body, SPECT, CT, Hybrid SPECT/CT and other scanning procedures performed in a horizontal patient orientation.

Key features include:

• Dual-axis cantilevered table with a dual-position CT/NM transporter for precise SPECT/CT registration

• Mobile design enabling easy swiveling of the table away from the gantry around a pivot point which facilitates fast dual-collimator exchange and scanning of patients who are either seated or on a hospital bed/stretcher

• Firm anchoring to the floor with locking pins and floor plates allowing for free access from both sides for patient loading/unloading with IV, EKG or other devices

• Robust design enabling 500 lbs. (227 kg) maximum patient weight

• Whole body scan range - 78.7" (200 cm) or 88.6" (225 cm) with optional table extender

• Minimum table height - 59 cm (23.2") - facilitating patient loading and unloading from a wheelchair or stretcher

• Low attenuation carbon fiber tabletop includes mattress pad with straps for patient comfort

• Automated positioning simplifying setup

• Manual emergency patient egress

• Optional accessories such as a head holder, table extender, arm support, leg support and table pads/straps

1 x Premium CT sub-system

Discovery NM/CT 670 Pro includes the Optima CT540 CT sub-system* that can perform a wide variety of clinical applications not requiring gantry tilt . It can be operated as a Hybrid SPECT/CT or as a standalone CT scanner (without gantry tilt), offering exceptional power, remarkable speed, high-resolution/low-dose imaging, and full diagnostic capabilities.

The Discovery 670 includes the following key features:

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

- Tube Unit Assembly with Maximum X-ray heat content: 7.4MJ (10 MHU). Design optimized for exams requiring a large number of scans and less tube cooling. Anode Heat Storage Capacity: 6.3MHU. Heat Dissipation: Anode (max) 840KHU/min

- 53.2kW generator power equivalent to 66kW considering the short gantry geometry (94.9cm Tube to detector distance) X-ray efficiency.

- Volara™ Digital DAS, Data Acquisition System, with an increased sampling rate of up to 20% and noise reduction up to 33%, enabling outstanding image quality in signal-starved areas (shoulder, hip, large patient, metal).

- Beam Tracking provides real-time X-ray follow-up, enabling high spatial resolution with no post-patient collimation and no dose penalty.

Dose Management

- Volumetric Image Space Reconstruction (VISR) provides a 3D filter that reduces noise without compromising resolution, for clear visualization of brain, tumor, and pediatric cases. With the VISR 3D filter, the scanner delivers high image quality at low dose. In clinical practice, the use of VISR may reduce CT patient dose depending on the clinical task, patient size, anatomical location and clinical practice. A consultation with a radiologist and a physicist should be made to determine the appropriate dose to obtain diagnostic image quality for the particular clinical task. When ASiR (option) is installed, 3D Neuro filter (ViSR) will be disabled

- 3D mA modulation acquisitions may reduce dose compared with fixed mA acquisitions. 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.

- ECG Dose Modulation: prospective ECG dose modulation automatically adjusts the

mA to reduce dose during systolic phases of the cardiac cycle.

- Pediatric scan protocols based on the Broselow-LutenTM Pediatric System. This Color Coding system is incorporated into the protocol selection on the operator's console and is designed to facilitate pediatric emergency care and reduce medical errors

- Dose report: In conjunction with prospective display of CTDIvol, DLP and dose efficiency, dose report helps clinicians reach ALARA dose, and keep track of it. Report is available in both DICOM secondary capture and structured report format.

- Dose Check: Provides the user tools to guide dose given in clinical practice and is based on the standard XR-25-2010 published by The Association of Electrical and Medical Imaging Equipment Manufacturers (NEMA). Dose Check provides the following: Checking against a Notification Value if the estimated dose for the scan is above your site typical dose value, checking against an Alert Value where the user needs specific authority to continue the scan at the current estimated dose without changing the scan parameters, defining Alert Values for Adult and Pediatric with age threshold, audit logging and review, protocol change control

1 x Hybrid NM/CT Acquisition Station

The integrated SPECT-CT acquisition console employs an advanced comprehensive Graphic User Interface for exam scheduling, scan acquisition, CT reconstruction and scan QC as well as utilities for protocol editing, routine quality control and analysis and networking, including:

• Universal connectivity via DICOM 3.0 (as per DICOM conformance statement) and Interfile 3.3 TCP/IP based protocols

• HIS-integrated workflow including DICOM Worklist and MPPS which creates and updates a Modality Performed Procedure Step report whenever scans are successfully completed, for streamlined hospital diagnostic imaging billing management

• Optima CT540 desktop environment, available for CT imaging, including: protocol definition, networking and archiving manual film control, as well as CT image processing such as multi-planar reformatting (MPR), multi–projection volume rendering (MPVR) and MR image display

• Pre-defined or user-configurable protocols for rapid recall and setup

• On-the-fly digital energy linearity, uniformity, center-of-rotation and isotope decay corrections

• Energy spectrum histogram (PHA) display with 16 windows per detector ensuring acquisition into a correct energy window for a given isotope(s)

• Acquisition termination by preset time, preset count or manual stop

• Pan/zoom and rotate modes

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		• Ability to resume paused acquisitions for whole body, SPECT and gated SPECT
		• Acquisition software includes control of camera maintenance activities including:
		- Disk space management
		- Pulse Height Analysis (PHA)
		- Center-of-Rotation (COR)
		- Single isotope uniformity correction map for all isotopes
		- Single isotope energy, sensitivity and linearity maps for all isotopes
		- Daily/periodic QC including gantry calibrations
		- Customizable system parameters
		- Definition and setup of acquisition sequences
		- Use of preset acquisition protocols
		*excluding on-gantry interactive screen and CT gantry tilt capabilities.
		**Only LEHR , LEUHR, and ELEGP collimators can be used for SPECT at 900 geometry
2	1	GE NM 600 Series LEHR Collimators (2) with Cart
		NM 600 LEHR Collimators with Cart NM 600 Low Energy High Resolution Collimators Includes: o Two LEHR Collimators o Collimators Mounted on a Dedicated Collimator Cart
3	1	GE NM 600 Series MEGP Collimators (2) with Cart
		NM 600 MEGP Collimators with Cart NM 600 Medium Energy General Purpose Collimators Includes: o Two MEGP Collimators o Collimators Mounted on a Dedicated Collimator Cart
4	1	GE NM 600 Series PINHOLE Collimator (1) W/CART
		A set of 1 pinhole collimator with 3 inserts with collimator cart for NM 600
5	1	NM600 PINHOLE BILATERAL
		The Bilateral Pinhole Motion enhancement option enables NM600 Series cameras to

Item No.	Qty	Description
		perform pinhole collimated imaging of both sides of a patient on the imaging table without moving the patient in procedures such as imaging of bilateral hips anteriorly or bilateral kidneys posteriorly.
6	1	630 & B615 QC Point Source Holder
		An L-shaped metal plate attachable to the wall with an opening for a syringe in order to acquire point source-based flood acquisition at a few meters distance from vertically positioned detector for QA purposes.
7	1	630 & B615 QC Flood Source Holder Kit
		Quality Control Flood Source Holder Kit A large plate mounted at a small distance above the NM detector on which the flood source is positioned in order to perform acquisition of flood studies for QA/QC purposes.
8	1	QA COR Source Holder
		Center of rotation source holder for Quality assurance , easily attached to Infinia or Ventri table.
9	1	NM 600 SERIES BARPHANTOM
		bar phantom for spatial resolution and linearity tests of gamma cameras. The phantom consists of four quadrants with different bar specification: For each of the quadrant, bar spacing is 2.5mm, 3.2mm, 3.5mm & 4.0mm.
10	1	D670 FIXTURE 4 NM UPS480V
		A set of cables and components required for use with E4502JJ Eaton 6 kVa UPS - for DLX and DX Digital X-Ray system consoles and Nuclear products that provide partial emergency backup power supply for completion of NM scans and gantry motion.
11	1	Connect Pro Software
		ConnectPro HIS/RIS Interface Option for CT systems ConnectPro Offers New Levels of Productivity

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to LightSpeed Users by Providing
a Connection Between the Facilities
Hospital (HIS) or Radiology (RIS) Information
System. ConnectPro Simplifies and Eliminates
Errors in Patient Data Entry.

Data Available at the Operator Console When
Using ConnectPro Includes:

o Procedure Step Code/Description
o Requested Procedure Code/Description
o Performed Procedure Step Compatibility
o Demographic Data - Name, ID, Age, Birthday,
Sex, etc.
o Study UID - Unique ID Number
o Scheduling Info - Dept, Modality, Station
Address, Accession #, Date, Time

The Operator has Three Convenient Ways to
Enter Patient Information:

o Scan Barcode
o Type in Unique Identification Number
o Select From a List of Patients

All of This Results in:

o Enhanced Productivity
o Direct Patient Data Entry
o On-line Access to Schedules
o Display of Patients Scheduled for Current
Time of Day
o Full Simultaneity with All Scanner
Operations
o Eliminates Errors Critical for "Filmless"
Operation
o Enhances Quality of Care
o Obtain Key Data From Your HIS/RIS via

Item No.	Qty	Description
		Modality Worklist - Allergies, Pregnancy Status, Medical Alerts
		o User-selectable Filtering and Sorting
		o Seamless Integration with LightSpeed
		o Performed Procedure Step Compatibility
		Does NOT include a bar code reader
		Note: May Require Interface Box for Conversion of HL7 to Dicom.
12	1	STRAPS AND PAD KIT
		Long table pad and straps
13	1	Axial Head Holder
		AXIAL HEAD HOLDER The Axial Head holder is ergonomically designed to position patient's head outside of the patient tabletop pallet , enabling brain SPECT orbiting as close as possible to the patient's skull with maximal coverage of the target tissue
14	1	PALLET EXTENDER
		NM 600 Series Patient Pallet Extender The patient pallet extender for NM 600 Series products can be used to extend the table top for multi-FOV SPECT, SPECT/CT and whole body studies.
		Length is 600mm; Width is 391mm; 300mm extension
		Note - The use of the extender requires more space between the camera and the back wall of the scan room. Consult with GE Healthcare project manager for minimum room size requirements.
15	1	NM600 TOUCH RULER
		NM 600 Touch Ruler An interactive touch-sensitive device mounted at one side of the patient table, used to define nuclear imaging scan range (start and stop points), saving the need

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		to enter these values manually from the operator console
16	1	English Keyboard Kit
		English Keyboard Kit
17	1	CT Service Cabinet
		Service cabinet for system accessories storage
18	1	Evolution for Bone SPECT Camera License
		EFB SPECT CAMERA LICENSE
		Enables Camera capability to provide data for Evolution for Bone (EfB). EfB provides Evolution Resolution Recovery reconstruction on SPECT bone scans. The EfB application may be utilized to provide equivalent image quality on half-dose or half-time bone scans.
19	1	Evolution for Cardiac Camera License
		EFC SPECT CAMERA LICENSE
		Enables Camera capability to provide data for Evolution for Cardiac (EfC). EfC provides Evolution Resolution Recovery reconstruction on SPECT Myocardial Perfusion Imaging (MPI) scans. The EfC application may be utilized to provide equivalent image quality on half-dose or half-time MPI scans.
20	1	EVOLUTION TOOLKIT Camera License
		EVOLUTION TOOLKIT CAMERA LICENSE
		Enables Camera capability to provide data for Evolution Toolkit. The Evolution Toolkit provides Evolution Resolution Recovery reconstruction on SPECT scans resulting in improved resolution and contrast. The Evolution

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		Toolkit application may be utilized with included statistical re-sampling tools to determine optimal dose or time reduction on SPECT studies. Evolution Toolkit supports Tl201, Tc99m, I-123, Ga67, In111, & I-131 isotopes.
21	1	D670 Pro Operator documents - English language
		Additional operators manual for Discovery NM/CT 670 Pro.
22	1	WIDE VIEW SW OPTION
		WideView is an exciting new option available for GE CT systems. WideView increases the display field of view from 50 cm to 70 cm. This is a dramatic 41% increase that will allow clinicians to see more anatomical information as well as the complete skin surface for improved radiation therapy simulation and planning.
		Pre-requisite: Xtream Console
23	1	Q. AC Option
		Software package for maintaining AC quality at low CT dose. It's unique CT reconstruction and processing algorithms provide SPECT attenuation correction that maintains quantitative SPECT measurements accuracy even at very low CT dose.
24	1	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 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

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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. Ann Intern Med. 2014;160:330-338. http://www.uspreventiveservicestaskforce.org/Page/Document/RecommendationStatementFinal/l

25   1   GE Digital Energy Signature 5000 Series 100 KVA UPS - CT & MR

The GE Digital Energy SG Series 100 KVA is a three-phase UPS that provides criticial power protection for medical imaging systems. Upon the loss of supply power the UPS enables scanning completion, saving of valuable data and an orderly imaging system shutdown.

FEATURES/BENEFITS

- 3 Phase online double conversion UPS removes power anomalies such as noise, transients, over-voltage, and under-voltage, which could damage the imaging system's sensitive computer components
- Can improves imaging system reliability, and reduces service costs
- Recommended with 100 KVA Bypass Panel (E4504CG), sold separately

NOTES:

- Customer is responsible for rigging and arranging for installation with a certified electrician
- ITEM IS NON-RETURNABLE AND NON-REFUNDABLE

26   1   90 Amp Main Disconnect Panel for CT

The 90Amp CT system main disconnect panel (MDP) serves as the main facility power disconnect

Item No.	Qty	Description
		source installed ahead of the system PDU. The MDP will disconnect system 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.
		o 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)
		o 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
		o Designed and tested for GEHC CT products
		Specifications:
		o Automatic restart incorporates an adjustable time delay to delay main power until the power has stabilized for 5 seconds
		o One flush wall mounted remote emergency off pushbutton furnished with each system
		o UL, cUL and CE labeled
27	1	6 KVA UPS for Nuclear Medicine
		6 KVA UPS for Nuclear Medicine
		FEATURES/BENEFITS
		• The use of uninterruptible power enables the system imaging to be completed

Item No.	Qty	Description

after the loss of supply power, and allows for saving of valuable data and orderly system shutdown

- The Online Double Conversion UPS eliminates all power anomalies such as noise, transients, overvoltage and undervoltage, which could damage the imaging system's sensitive computer components
- Improves imaging system reliability, reduces service costs, and increases system uptime
- Cell Saver Technology provides conditioned power even during severe brownout conditions without depleting battery resources
- System monitoring via: LanSafe III / FailSafe III software, (2) RS-232 Ports
- PowerPass Module further enhances reliability through Maintenance Bypass Switch which performs maintenance or upgrade your UPS without powering down your critical systems

SPECIFICATIONS

- Dimensions (H x W x D): 33.6" x 9.9" x 15.8"
- Weight: 218 lbs.
- Input Voltage: 200 - 240 VAC
- Output Voltage: 120/240, 120/208 VAC
- Frequency: 45-65 Hz

COMPATIBILITY

- Maxxus NM

NOTES:

- Customer is responsible for rigging and arranging for installation with a certified electrician
- ITEM IS NON-RETURNABLE AND NON-REFUNDABLE

| 28 | 1 | Butterfly Armrest |

Butterfly (R-Made) Armrest

Designed to support a patient's arms during cardiac SPECT and other imaging procedures. Armrest offers new solution to motion artifact caused by the discomfort and pain of prolonged upper extremity hyperextension and abduction. Fast and easy to use, can be mounted and removed in one piece. and is tightly secured by adjustable mounting straps. Polyethylene construction is durable, nonbreakable, and easily learned. Measures 18 in. L x 14 in. W x 8 in. H; weighs 2.5 lb. Recommended for use with GE Optima Systems. Warranty Code H

Item No.	Qty	Description
29	1	Patient Arm Support System for Nuclear, PET/CT, MRI
		Patient Arm Support for NM, PET/CT, MR
		Padded Arm Rest combines total arm support and passive restraint, increasing patient comfort during extended procedures. Designed to accommodate virtually all patients. Compatible with most Nuclear Imaging systems and can also be used in MRI, CT and PET applications. Constructed with a comfortable, full support polyfoam with a seamless coated finish. Warranty Code: H
30	1	Patient Leg Rest for Nuclear, PET/CT, MRI
		Patient Leg Rest for Nuclear, PET/CT, MRI
		Contoured Leg Rest prevents low back stress and pain that occurs during supine imaging and treatment, measures 7 in. H x 17 in. D x 13 in. W. Designed to accommodate virtually all patients. Compatible with most Nuclear Imaging systems and can also be used in MRI, CT and PET applications. Constructed with a comfortable, full support polyfoam with a seamless coated finish. Warranty Code: H
31	1	Medrad Stellant D Dual Flow Injector - Ceiling Mount (Short Post)
		Medrad Stellant D Dual-Flow Ceiling Mount Injection System with Short Post. Requires E8007PJ Mounting Plate be added to the order....E
32	1	OCS III MOUNTING PLATE
		OCS III MOUNTING PLATE
33	1	Ivy 7600 Cardiac Trigger Monitor Kit - No Recorder, Americas Labeling. For GEHC Nuclear Med.
		The Model 7600 is Ivy Biomedical's fifth generation of cardiac trigger monitors intended primarily for use on patients in applications requiring precision R-wave synchronization. Incorporating a simple, easy to use touchscreen interface, the 7600 displays two simultaneous ECG vectors along with the patient's heart rate. The Trigger ECG vector (top waveform) can be selected from Leads I, II III or Auto Lead Select. The Second ECG vector (bottom waveform) can be selected from Leads I, II or III. If required, High and Low heart rate alarm limits can be adjusted to bracket the patient's

Item No.	Qty	Description
		heart rate so that a violation of these limits produces an audible and visual indication of the alarm. Includes roll stand
34	1	IVY 7600 Lead Wires; Set of four. 24 inches. AHA colors; white, green, red, black
		IVY 7600 Lead Wires; Set of four. 24 inches. AHA colors; white, green, red, black
35	1	Succeed Discovery NM/CT
		Succeed Discovery NM/CT
		TiP Applications Discovery NM/CT Succeed Advance Training Program
		TiP Applications Discovery NM/CT Succeed Advance includes:
		• 16 onsite days covered over 4 site visits • 10 hrs TVA • 1 TiP Headquarter Class
		Onsite training and TVA are delivered Monday through Friday between 8AM and 5PM. T&L expenses are included. Headquarters classes are delivered in the Milwaukee area and include travel and modest living expenses.
		This training program must be scheduled and completed within 24 months after the date of product delivery.
36	2	DISCOVERY NM/CT 670
		Discovery NM/CT 670 is a new high performance all-purpose dual head nuclear medicine imaging system, which is scalable to a hybrid scanner with a BrightSpeed 16. The Discovery CT/NM 670 shall have the capability of full CT functionality, full NM functionality, and hybrid CT/NM acquisition modes. This provides best in class NM and CT image quality, inherently registered anatomical and functional information,and CT attenuation correction. The system that does not include CT functionality is called Brivo NM615. This course must be taken within 2 years from the purchase date.
37	2	CT LIGHTSPEED PRO ADV SER
		The LightSpeed Pro Advanced course is intended for engineers servicing LightSpeed Pro 16, LightSpeed RT, and forward production LightSpeed 16/Ultra/Plus (starting in 2004) systems. This course must be taken within 2 years from the purchase date.
38	1	CT TRUE IN ONE CONSOLE
		CT True In One Console Service (Web) This course covers the following topics on the True in One Console: Console Models, Hardware details and mechanical layout,

Item No.	Qty	Description
		Installation and FRU replacement, Troubleshooting using command lines and diagnostics. This course must be taken within 2 years from the purchase date
39	1	XELERIS 2.0 SERVICE
		Xeleris Service Web
		Xeleris 2.0 e-training provides a comprehensive training tool that allows field engineers to install, configure, maintain and service the Xeleris 2.0 workstation. This course must be taken within 2 years from the purchase date.
40	1	CT LIGHTSPEED PRO ADV SVC
		CT Lightspeed Pro Advanced Service (Web)
		Web course is 8 hours long
		Sales Description:
		Introduction to CT LightSpeed Pro system theory and subsystems
		Executive Summary:
		This is a computer-based training course intended to prepare Service Engineers on basic system theory for the LightSpeed Pro product line.
		Course Competencies:
		The curriculum builds on concepts taught in CT Basic Physics and is a prerequisite for the CT LightSpeed Pro and Discovery ST in-resident training classes at the GE Healthcare Institute.
		Special Considerations:
		A functioning laptop computer with a CD-ROM reader, network card and a modem card is required for use during this course. The browser on the computer must be IE4 or Netscape 4.5 or higher. Minimum system requirements include 133 MHz Windows 95, NY 4.0 or higher 32 MB of RAM 16-bit color display adapter. Proof of completion of this eLearning course is necessary prior to attending any subsequent GE Healthcare In-Resident training. This course contains proprietary content. For customers attending this course, special paperwork is required to take this course. Please see the registration page for details on the enrollment process. This course must be taken within 2 years from the purchase date.
41	2	Troubleshooting Basics Service (web)
		Troubleshooting Basics Service (Web)
		This Course is Intended for Individuals Involved in Servicing Medical Equipment. By

Item No.	Qty	Description
		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.
42	2	NETWORKING & DICOM BASIC
		Networking and Dicom Basic for DI Service (Web)
		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.
43	1	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.
	1	**Xeleris 4 Server**
44	1	X4 Server SPECT-CT
		Xeleris* 4.0 SPECT/CT functional imaging server is a Nuclear Medicine, PET, NM/CT, and PET/CT processing, analysis, and review system. Designed with productivity in mind, it can accelerate workflow and provides a powerful clinical diagnostic tool to the medical imaging community.

Item No.	Qty	Description
		Combining streamlined workflow with a comprehensive clinical library and extensive networking capabilities on a functional imaging workstation, Xeleris 4.0 is at the nucleus of productivity in the clinical imaging department. Utilizing the GE Healthcare-wide graphical user interface, Xeleris 4.0 is the processing and review platform of the Discovery*, Optima* and Brivo* NM and NM/CT series, Infinia* Hawkeye* 4, Ventri, Discovery PET/CT 600 series, and all other molecular imaging cameras in GE Healthcare's current offering. Xeleris 4.0 provides the automated processing and connectivity necessary in today's demanding environment.
		Xeleris 4.0 SPECT/CT Server incorporates one Xeleris Floating license and includes Motion detection & correction software, is Evolution*-ready with the capability to process studies acquired with Evolution GE cameras, and Volumetrix IR & 3D for SPECT/CT and fused image review.
45	1	X3.1/X4 CEDARS SUITE 1st and 2nd Cedars Sinai Cardiac Packages. A comprehensive set of nuclear cardiology protocols for advanced cardiac analysis, including: o Cedars Sinai Quantitative Perfusion SPECT o Automatic 3-Dimensional software approach to quantitative Perfusion SPECT. o Cedars Sinai Quantitative Gated SPECT o An application calculating the ejection fraction of the left ventricle and a 3D surface display is generated. o Cedars Sinai Companion o Optional module for QGS and QPS applications

Item No.	Qty	Description
		features
		- 17 segment scores and templates in QPS
		- Diastolic filling parameters in QGS
		- Eccentricity ratio in QGS
46	1	X4 4DM-SPECT
		Invia Corridor 4DM
		A comprehensive set of nuclear cardiology protocols for advanced cardiac analysis developed by Invia and the University of
		Michigan Medical Center in Ann Arbor, Michigan including 4DM-SPECT, 4DM-PET and 4DM-CT options.
		o Automated Workflows
		o Multi-Monitor support
		o Fusion SUV
		o Calcium Scoring Database
		o Audit Logging
		o HL7 Export 4DM-SPECT (option)
		A comprehensive cardiac SPECT display and quantification program for gated and ungated
		SPECT perfusion studies which includes its own report generation package.
47	1	X4 4DMSP Floating Client 1ST
		Adds 1st XFL Floating Client for Michigan 4DM program for quantification and display of SPECT data

Options

Item No.	Qty	Description
48	1	**D670 ASIR SW GC NIO C** Discovery 670 Adaptive statistical iterative reconstruction (ASiR) of CT data is an optional hardware and software package for Brightspeed 16 that cuts noise and boosts diagnostic confidence of abdominal lesions while slashing radiation dose. The AsiR algorithm takes into account precise modeling of the x-ray photon statistics and electronic noise, all of which are less accurate in FBP.
49	1	**NM600 DETECTORS DISMOUNT** NM600 DETECTORS DISMOUNT An option enabling transportation and mobilization of the NM600 series gantry separated from the detectors for easier load in elevators or easier access through restricted paths such as narrow hallways or doorways
50	1	**Q.METRIX CAMERA LICENSE** Q.Metrix enables employment of SPECT and CT segmentation tools for quantifying radiopharmeceutical uptake using patient demographics information.
51	1	**Q.Metrix License** A package enabling quantitative SPECT results in the form of MBq/ml and SPECT SUV (Standard Uptake Value). The Q.Metrix application utilizes advanced Evolution reconstruction with compensation for Attenuation, Resolution and Scatter. Patient demographics and dose information are incorporated to provide accurate quantitative results. Quantitative SPECT results are further enhanced with advance segmentation tools

Item No.	Qty	Description
		providing 2D and 3D organ and lesion characterization.
		Q.Metrix supports data from Discovery NM/CT 670 and Optima NM/CT 640 using the following isotopes: 99mTc, 201Tl, 111,In, 123I, 131I, and 67Ga and collimators: LEHR, MEGP, HEGP, ELEGP