

SHIP TO:
 CHIEF, A&MM B80015
 V.A. Medical Center
 VA MEDICAL CENTER
 1500 E WOODROW WILSON DR
 JACKSON, MS 39216

Line #	Description	Qty
--------	-------------	-----

1	SmartPath to iCT w/ IMR	1
---	-------------------------	---

The **SmartPath Upgrade** to iCT Elite Configuration has been specially designed to make it possible to upgrade a Philips Installed Base CT Scanner to the full power and performance of the iCT Elite System. iCT Elite Scanners are powered not only by intelligent technologies inside, but also by stunning advances in how people can interact with the systems from the outside. Both are critical in handling the large amounts of data provided by multi-slice imaging - and in helping achieve a sustainable competitive advantage. This upgrade will replace all the needed components of the Installed Base CT Scanner to bring you to the latest iCT technology to ensure performance at the current production specifications. The final configuration and application features are outlined below.

iCT Elite (w/ IMR) Configuration

The iCT family of premium CT scanners continues to take CT imaging to new levels. Not only does this scanner family deliver exceptional image quality, its advanced technology can also help you to manage x-ray dose and injected contrast — important factors for managing patient risk. Built upon our latest advances in iterative reconstruction techniques, workflow, and detector technologies, the iCT is designed to redefine CT imaging.

At Philips, we understand that the day-to-day aspects of CT require you to do more, in less time, and with low dose, over a wide range of body types, heart rates, and patient conditions. The iCT family is built on the best in Philips class intelligent technologies for the speed, accuracy, and reliability to enhance your workflow on a daily basis.

The iCT Elite is specifically designed to meet the unique needs of imaging from head to toe. With a focus on clinical collaboration and integration, patient care, and economic value, this system will provide the high image quality you seek with the outstanding lows that are becoming increasingly important (low energy, low dose, and low injected contrast).

The unique combination of hardware innovations, state-of-the art acquisitions, and the iDose4 Premium Package offers you premium results; low-energy imaging for the majority of patients, chest CT near the dose of a chest x-ray, and up to 50% improvement in spatial resolution.

iCT Elite Key Features

- NanoPanel Elite Detector
- iPatient
- iDose4 Premium Package
- Rate Responsive Toolkit for iCT
- 256 Slices 8 cm coverage
- AirGlide Gantry with 0.3 second rotation time (0.27 sec option)
- iMRC X-Ray Tube with 100 kW generator (120 kW option)
- 80, 100, 120, 140 kVp tube voltages
- Eclipse DoseRight Collimator\
- Dual-Energy-Ready

Line #	Description	Qty
--------	-------------	-----

- IMR Ready

Features

The iCT family is built on the best-in-Philips-class intelligent technologies for the speed, accuracy, and reliability to enhance your workflow on a daily basis.

Lung Cancer Screening

The system enables Low Dose CT Lung Cancer Screening Exam Cards that are compliant with ACR and CMS guidelines for LDCT LCS. These patient-specific low-dose CT lung cancer screening protocols leverage the advanced scanner capabilities such as iDose4, can increase early detection in high-risk patients and help prevent a substantial number of lung cancer related deaths*.

*The screening must be performed within the established inclusion criteria of programs/ protocols that have been approved and published by either a governmental body or professional medical society.

- Please refer to clinical literature, including the results of the National Lung Screening Trial (N Engl J Med 2011; 365:395-409) and subsequent literature, for further information.

iPatient

Philips' iPatient is an advanced platform that delivers focused innovations to facilitate patient-centered imaging, now and in the future. This powerful Windows® 7-based platform will put our customers in control of innovative solutions that drive confidence and consistency through personalized patient centric workflow, increase the ability to do complex and advance procedures with ease and efficiency. iPatient removes unnecessary complexity and allows our customers to get the job done while driving confidence and consistency 24/7, and prepares for future innovations that will help improve the care being delivered to the patient.

ExamCards

ExamCards are the evolution of the scanning protocol. With ExamCards, the results are planned, not the acquisition as traditionally done in CT; this reduces decision points and clicks, saves time and improves operator-to-operator consistency. ExamCards can include axials, coronals, sagittals, MPRs, MIPS, and other results, all of which will be automatically reconstructed and can be sent off to where they will be read with no additional work required by the operator.

NanoPanel Elite Detector

- Marked image noise improvement
- Advanced ASIC integration with lower resistance and capacitance
- Improved linearity at low energy and low current
- Reduced likelihood of distortion in larger patients scanned at low energy

iMRC X-ray Tube

- Segmented anode and direct liquid cooling: allow high-throughput scanning
- Smart Focal Spot: doubles the number of projections for high image quality
- Spiral Groove Bearing: precise anode rotation stability provides virtually motion-free focal spot for better image clarity

- Beam hardness is controlled with IntelliBeam filters. The filter selection is automatically configured through the ExamCard, and is used in combination with the X-ray tube's intrinsic filtration to balance low contrast resolution and dose.

AirGlide Gantry

- Fastest scanner available globally

Line #	Description	Qty
-	Floats on a frictionless cushion of air for high-speed stability	
-	0.3 second (0.27 sec option) rotation time	
	<i>NanoPanel3D Detector</i>	
-	Industry's first modular, integrated, and scalable detector	
-	Reduces electronic noise by 86% versus conventional detector design	
-	Industry's first 2D antiscatter grid – ClearRay collimator reduces the effects of scattered radiation not contributing to image formation	
	<i>Spherical Detector</i>	
-	World's first true spherical CT detector geometry	
-	Allows each NanoPanel3D to be focused directly at the source to allow high image quality	
	<i>Eclipse DoseRight Collimator</i>	
	Lowers delivered dose by eliminating start of scan and end of scan radiation not contributing to image formation in spiral scanning.	
	Rotation Times	
	0.27 (option), 0.3, 0.33, 0.375, 0.4, 0.5, 0.75, 1, 1.5 seconds for full 360° scans; 0.18, 0.2 seconds for 240° scans	
	Reconstruction	
	<i>iDose4 Premium Package</i>	
	The iDose4 Premium Package includes two leading technologies that can improve image quality – iDose4 and metal artifact reduction for large orthopedic implants (O-MAR). iDose4 improves image quality* through artifact prevention and increased spatial resolution at low dose. O-MAR reduces artifacts caused by large orthopedic implants. Together they produce high image quality with reduced artifacts.	
	With the iDose4 Premium Package, reconstruction is achieved in seconds rather than minutes. This is due to the innovative HyperSight IR reconstruction engine. Designed to support iDose4, this proprietary technology allows for this iterative reconstruction technique to be used routinely in inpatient, outpatient, and emergency-care settings. The design seamlessly integrates into your CT department, and provides you the look and feel of conventional, higher-dose images without long processing times.	
	<i>Adaptive filtering</i>	
	Adaptive filters reduce pattern noise (streaks) in nonhomogenous bodies, improving overall image quality.	
	<i>HyperSight IR Reconstruction</i>	
	HyperSight IR reconstruction is the result of years of advanced research, and was designed specifically to satisfy the performance requirements and processing power needed to seamlessly integrate the iDose4 Premium Package into your department. HyperSight IR provides dramatic improvements in workflow by displaying images at breakthrough rates, regardless of acquisition speed or reconstruction parameter. The majority of factory protocols with iDose4 are reconstructed in less than a minute, with reconstruction speeds up to 24 images per second with iDose4 and up to 33 images per second with standard reconstruction.	
	<i>ConeBeam Reconstruction Algorithm – COBRA</i>	
	Philips patented Cone Beam Reconstruction Algorithm (COBRA) enables true three-dimensional data acquisition and reconstruction in helical scanning.	
	<i>Fast Preview</i>	
	Display real-time 512 × 512 matrix image reconstruction and 5 mm × 5 mm contiguous slice	

Line #	Description	Qty
	display with helical acquisition or off-line reconstruction. Images can be modified for window width and level, zoom, and pan prior to larger matrix reconstruction at the end of the acquisition.	
	<i>Ultra High Resolution Matrix Sizes</i> Exclusive to Philips, 768 × 768 and 1024 × 1024 image reconstruction matrix sizes display all of the high-resolution data acquired in applications, such as inner ear, spine and high-resolution lung imaging. As scan resolution increases, larger reconstruction matrix sizes are required maintain the full scan resolution for the reconstructed field of view.	
	Cardiac Imaging	
	<i>Rate Responsive Toolkit for iCT</i> Enables cardiac imaging and includes an ECG monitor, Retrospective Tagging, Prospective Gating, the Cardiac Viewer, Heartbeat-CS, and CT Reporting. Uses Philips exclusive Adaptive Multicycle Reconstruction algorithm to enhance temporal resolution — as low as 34 ms. Includes automatic arrhythmia detection and management.	
	<i>DoseRight Cardiac</i> ECG-triggered dose modulation reduces tube current up to 80% during acquisition of non-desired phases (estimated overall dose reduction of ~45% for single-phase, end-diastolic imaging). For example, only one phase may be required for coronary CTA, and the system will reduce the mA during the other portions of the acquisition, saving considerable dose.	
	<i>Retrospective Tagging</i> Spiral Retrospective Tagging allows the CT system to acquire a volume of data while the patient's ECG is recorded. The acquired data is "tagged" using AccuTag and reconstructed retrospectively at any desired phase of the cardiac cycle. This phase selection is accomplished using the Philips' patented Beat-to-Beat Variable Delay Algorithm, which automatically finds the best phase for cardiac CT imaging.	
	<i>Prospective Gating</i> Prospectively triggers axial scans using Philips' patented Beat-to-Beat Variable Delay Algorithm for accurate and reproducible calcification scoring studies.	
	<i>Integrated ECG Monitor</i> Philips' advanced ECG monitor is used for gated cardiac scans. Integrated design eliminates the need for an additional ECG monitor and stand in the scan room.	
	<i>COBRA Reconstruction (COBRA Cardiac)</i> Philips patented Cone Beam Reconstruction Algorithm (COBRA) enables true three-dimensional data acquisition and reconstruction in both axial and helical cardiac scanning.	
	<i>Cardiac Viewer</i> A comprehensive cardiac review application that allows quick visualization of one or more cardiac phases, synchronization of multiple cardiac phases with interactive slab-MIP tools for review purposes, cine mode for cardiac axes views and a calculation of End Systolic Volume (ESV), End Diastolic Volume (EDV), Cardiac Output (CO), and Ejection Fraction (EF) for ventricular functional assessment.	
	<i>Calcium Scoring</i> Provides Agatston, Volume, and Mass scores. Incorporates a database of greater than 5,000 asymptomatic multislice calcium scoring scans.	
	<i>CT Reporting</i> Provides capabilities for editable paper, print, and electronic clinical reports; including display of	

Line #	Description	Qty
	key images and results. Reports are available for paper or electronic distribution to referring physicians, patients, or for medical records.	
	Dose Management	
	Philips' DoseWise philosophy is a set of principles and practices that ensures the best possible outcomes with minimal risk to patients and staff. The iCT platform employs a number of features that help provide high dose efficiency.	
	<i>NEMA XR-29 Compliance</i>	
	This system complies with the NEMA XR-29-2013 Standard Attributes on CT Equipment Related to Dose Optimization and Management. The standard includes a group of CT attributes that contribute to or help perform optimization/management of doses of ionizing radiation while still enabling the system to deliver the diagnostic image quality needed by the physician. It encompasses: DICOM Radiation Dose Structured Reporting, Dose Check Feature (Dose Notification and Dose Alerts), Automatic Exposure Control (Dose Modulation) and Reference Adult & Pediatric Protocols.	
	<i>NEMA XR-25 (DoseCheck)</i>	
	Supports an operator notification in each ExamCard that will be shown if an acquisition is planned that exceeds a specified CTDI or DLP. In addition, an alert is available such that, if an acquisition is planned and the total exam will exceed a specified CTDI or DLP, the operator will be required to enter his or her name and (if configured) a password to proceed, or the operator can adjust the scan parameters. Compliant with NEMA XR-25 and XR-29.	
	<i>DICOM Structured Report for Dose (DICOM SR)</i>	
	Dose SR complies with the IEC, DICOM PS and IHE standards for dose reporting. The report includes CTDIvol and DLP dose values. These can be transferred to external systems such as HIS/RIS, PACS, or dose registries.	
	<i>Locking Protocols</i>	
	Prevents unapproved modification of scanning protocols through password-protection.	
	<i>Dedicated Pediatric Protocols</i>	
	Developed in collaboration with top children's hospitals, age and weight-based infant and pediatric protocols enhance image quality at low dose.	
	<i>DoseRight ACS (Automatic Current Selection)</i>	
	Personalizes the dose for each patient based on the planned scan by suggesting the lowest mAs settings to maintain consistent image quality at low dose throughout the scan.	
	<i>DoseRight Z-DOM (Longitudinal Dose Modulation)</i>	
	Automatically controls the tube current, adjusting the signal along the length of the scan, increasing the signal over regions of higher attenuation (e.g., shoulders, pelvis), and decreasing the signal over regions of less attenuation (e.g., neck, legs).	
	<i>DoseRight 3D-DOM (Three-dimensional Dose Modulation)</i>	
	3D-DOM combines angular and longitudinal patient information to modulate dose in three dimensions (x-y-z-axis). It incorporates modulation of tube current-time product (mAs) according to changes in individual patient's size and shape in the transverse (x-y-axis; angular) direction	

Line #	Description	Qty
--------	-------------	-----

during helical scans, in addition changes in the craniocaudal or caudocranial (z-axis; longitudinal) direction, as the tube rotates.

Dose Displays

- Volume Computed Tomography Dose Index (CTDIvol)
- Dose-Length Product (DLP)
- Dose Efficiency Warning

Scan and Image Acquisition

Scan Ruler

Provides a visual, highly interactive view of the entire procedure that allows 1-click updates to important study events

Spiral Scanning

Multiple contiguous slices acquired simultaneously with continuous table movement during scans allowing for multiple, bidirectional acquisitions

Axial Scanning

Multiple-slice scan with incremental table movement between scans.

Smart Focal Spot

Doubles the in-plane and longitudinal data sampling density from the detectors effectively doubling the number of detectors and provides high spatial resolution in axial and spiral scanning.

Ultra-High Resolution

Ultra-high resolution allows imaging with spatial resolution up to 24 lp/cm.

Test Injection Bolus Timing

Establishes the optimum contrast injection delay time using a test injection. A real-time graph of the enhancement in a selected region of interest is displayed. The delay time is then selected to provide optimal peak contrast enhancement and reduced contrast usage.

Bolus Tracking

An automated injection planning technique that permits a user to monitor actual contrast enhancement and to initiate scanning at a pre-determined enhancement level. Combine with SAS for full automation.

Spiral Auto Start

Spiral Auto Start allows the injector to communicate with the scanner. This allows the technologist to monitor the contrast injection and to start the scan (with a predetermined delay) while in the scan room.

NOTE:

- Costs to upgrade an approved injector and any cabling is the responsibility of the user.
- Compatible with most Medrad E-Z-EM and Tyco injectors

Dual-Energy-Ready

DE Ready includes a *Dual Energy scan type* that allows the acquisition and reconstruction of sequential dual-energy scans.

Line #	Description	Qty
--------	-------------	-----

Note: To obtain the Spectral Analysis application, an optional IntelliSpace Portal IX must be purchased on the same order as a DE-Ready iCT family scanner. The Spectral Analysis application may allow separation and analysis of materials such as calcium, iodine and uric acid when used with dual-energy scan data.

Image Management, Storage, and Filming

DICOM 3.0-compliant image format. Lossless image compression/decompression is used during image storage/retrieval to/from all local storage areas. Images can be auto-stored to selected archive media

- 300 GB Hard Disk
- Image Storage Capacity: approximately 1 million compressed 512 X 512 matrix images

DICOM DVD/CD writer

Stores DICOM images and associated image viewing software on DVD/CD media. Images on these DVD/CDs can be viewed and manipulated on PCs meeting the minimum specifications. Ideally suited for individual result storage and referring physician support.

DVD-RAM Storage

Provides a solution for data storage. DVD-RAM disks are written in a proprietary Philips format and are able to be read only on Philips EBW (v3.0.1 or higher) and CT scanner units (v2.3 or higher) with a DVD-RAM drive.

- 4.7 GB DVD-RAM
- Image Storage Capacity: approximately 15,000 compressed 512 x 512 matrix images

Filming

Allows the user to set up and store filming parameters. Pre-stored protocols can be set to include auto-filming. The operator can film immediately after each image, at the end of a series, or after the end of a study, and review images before printing. The operator can also automatically film the study at three different windows and incorporate Combine Images functionality to manage large datasets. Basic monochrome and color DICOM print capability are supported.

Networking

Supports 10/100/1000 Mbps (10/100/1000 BaseT) networks. For optimal performance, Philips recommends a minimum 100 Mbps network (1 Gbps preferred) and for the CT network to be segmented from the rest of the hospital network.

DICOM Connectivity

Full implementation of the DICOM 3.0 communications protocol allows connectivity to DICOM 3.0 compliant scanners, workstations, and printers; supports IHE requirements for DICOM Connectivity. Further details on connectivity and interoperability are provided within the DICOM Conformance statement.

Operator Console, Patient Handling, and Setup

Philips provides an operator work environment that is both flexible and easy to use. The operators' console includes the necessary hardware to use the scanner including host computer, cabinets, dual monitor configuration, and control box. The system provides applications that assist clinicians to improve workflow and planning as well as post processing analysis and review to help you quickly gain the desired view. All of these combine in a graphical interface that allows you to easily execute scans and analyze images.

Manual Scan

Places slice-by-slice scans under operator control with on-line or off-line reconstruction, background image archiving to local or remote storage devices. At any time, the operator is able to switch from automatic to manual scan and back.

Line #	Description	Qty
--------	-------------	-----

Automatic Scan

Enables automatic execution of pre-planned studies, with concurrent, on-line or off-line reconstruction, background image archiving to local or remote storage devices, without operator intervention

Breathing Lights and Patient Aperture Panel

Visual display of breathing instructions coordinated with recorded breath hold instructions (Auto Voice) to improve the patients experience and compliance.

Gantry Control Panels

Touchscreen interface with integrated ECG display. Audio notification and visual countdown 10 seconds before X-ray On so that operator and staff can exit room before X-ray On.

Infant Calibration Phantom

The Infant Calibration Phantom is a Philips-exclusive tool used to calibrate system parameters to optimize the system for scanning infants.

Intercom System and Multilingual Autovoice

The intercom system provides two-way communication between the scan room and the operator console. Additionally, a standard set of commands for patient communication before, during and after scanning is available in several pre-selected languages. Customized messages can also be created. Pre-selected languages available include: English, Hebrew, French, Spanish, Georgian, Italian, Japanese, Arabic, Russian, German, Swedish, Danish, Turkish, Dutch, and Norwegian.

Dual Surview Planning

Provides flexibility in exam planning with both anteroposterior and lateral surveys.

Automatic Procedure Selection

Maps the procedure selection from the HIS-RIS with individual scan protocol(s) simplifying the scanning process. Only the most relevant scan protocol(s) for any requested procedure are shown to the user, ensuring that only the desired scanning procedures are performed. This is especially useful for infrequent users of the CT scanner.

Table Accessories

Prevent fatigue and discomfort and give both patients and technologists a sense of security: patient restraint kit, table extension, standard head holder, table pad, IV Pole, arm rests, cushions, and pads.

Also Includes

- *Expert Protocol Planning*
- *Preset Post-Processing*
- *DICOM Modality Worklist*
- *Prefetch Study*
- *Split Study*

Applications

Functional CT

Physiologic CT perfusion imaging technique permits parametric viewing of CT images with results of image perfusion, mean transit time, and time-peak-of contrast enhanced CT images. This package is useful for body and organ perfusion exams. The liver perfusion program accurately separates arterial and portal phase information for lesion detection and characterization.

Line #	Description	Qty
--------	-------------	-----

Volume Rendering

Provides simultaneous visualization of vasculature, soft tissue, and bone. Offers real-time, interactive control of opacity and transparency to permit viewing through and beyond surrounding structures, such as metallic stents and arterial calcifications, and virtually eliminates the need for organ segmentation prior to visualization.

ScanTools and ScanTools Pro

The ScanTools package of advanced components and productivity features streamlines routine imaging studies, and comes standard with your scanner. ScanTools Pro is a supplemental set of tools standard on your scanner that enhances productivity, workflow, and diagnostic confidence. The components of ScanTools and ScanTools Pro are located throughout the quote under the appropriate headings.

Siting information

Power Requirements

- 380 - 480 VAC at 225 kVA and 50/60Hz
- Three-phase distribution source

Speed (0.27 sec):

0.27 second 360° rotation provides better temporal resolution in advanced clinical applications such as coronary artery imaging, cardiac perfusion and other high-speed, motion-free imaging. The higher speed especially benefits prospective gating and Step & Shoot Cardiac.

AirGlide provides 0.27 second rotation time in both retrospectively-gated and Step & Shoot Cardiac/Complete cardiovascular acquisitions.

Power (120kW):

120 kW tube power helps with imaging of bariatric patients, and other challenging exam types where higher photon flux is required.

iMRC x-ray tube and generator provide 120 kW power with maximum 1,000 mA tube current at 120 kVp.

IMR Pltnm Option – iCT:

IMR sets a new direction in CT image quality with virtually noise*-free images and industry-leading low-contrast resolution. Long associated with MR, this improvement in low-contrast resolution is a breakthrough made possible through Philips' first iterative reconstruction technique built on a knowledge-based model. IMR is the first knowledge-based solution that overcomes motion-sensitivity associated with traditional model-based solutions; allowing it to be used in even the most advanced acquisitions, such as Cardiac CTA. Enabled by next-generation HyperSight IMR hardware and reconstruction algorithm innovation, its reconstruction speed allows IMR Platinum to be used in even the most time demanding applications, such as trauma.

Key Benefits:

- Industry-leading low-contrast resolution (2 mm @ 0.3% @ 10.4 mGy)
- Significantly lower dose while simultaneously improving image quality*
- Significantly improved image quality (noise / low-contrast detectability / spatial resolution)
- First knowledge-based iterative reconstruction for gated acquisitions
- Fast reconstruction speed with majority of reference protocols reconstructed under 3 minutes.

Line #	Description	Qty
--------	-------------	-----

- Integrated design with minimal siting impact

IMR may be used for patients of all ages for a wide range of routine body & neuro clinical applications. Additionally, IMR Platinum may be used for advanced gated applications, such as Cardiac CTA.

Prerequisites:

- *iPatient, and*
- *iDose4 Premium Package*

* In clinical practice, IMR may reduce image noise 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 task. As with any imaging reconstruction, the quality of the resulting IMR images is dependent on the scanning parameters required for your particular patient, clinical indication, and clinical practice.

Note: Windows is a registered trademark of Microsoft Corporation in the United States and other countries.

Clinical Education Program for iCT Elite Systems Configuration:

Essentials Off-Site Education: Philips will provide up to two (2) lead technologists, as selected by customer, with in-depth lectures covering basic clinical applications, Philips-specific imaging techniques, protocol optimization and scan parameters. A Brilliance CT "system emulator" is used during the lab sessions to simulate all basic scanning operations without x-ray exposure. Students will graduate from this class with an 80% understanding of the base system functionality. The remaining 20% is covered during the Handover On-Site experience. This twenty-eight (28) hour class is located in Cleveland, Ohio, and is scheduled based on your equipment configuration, geography, and availability. Due to program updates, the number of class hours is subject to change without notice. Customer will be notified of current, total class hours at the time of registration. This class is a prerequisite to your equipment handover On-Site Education, and should be attended no earlier than two weeks prior to system installation. ASRT CEU credits may be available for each participant that meets the Guidelines provided by Philips during the scheduling process. **Travel and lodging are not included, but may be purchased through Philips. It is highly recommended that 989801292078 (CT Full Travel Pkg Off-Site) is purchased with all Off-Site courses.**

Handover On-Site Education: This twenty-eight (28) training event will fine tune and expand upon knowledge learned during the Essentials Off-Site with focus on maximizing scanning techniques and protocols. This session is to be attended by the same two (2) technologists from Essentials Off-Site, and up to two (2) more of your dedicated CT Technologists, preferably from night or weekend shifts if necessary. ASRT CEU credits may be available for each participant that meets Philips Guidelines. Note: Site must be patient-ready. Philips personnel are not responsible for actual patient contact or operation of equipment during education sessions except to demonstrate proper equipment operation.

Follow-Up On-Site Education: Clinical Education Specialists will provide twenty-eight (28) hours of follow-up CT On-Site Education for up to four (4) students, selected by customer, including technologists from night/weekend shifts if necessary. CEU(s) are not available in all cases.

Follow-Up On-Site Education: Clinical Education Specialists will provide twenty-four (24) hours of follow-up CT On-Site Education for up to four (4) students, selected by customer, including technologists from night/weekend shifts if necessary. CEU(s) are not available in all cases. Please read Guidelines for more information, which will be provided to you during the scheduling process.

Line #	Description	Qty
--------	-------------	-----

Note: Philips personnel are not responsible for actual patient contact or operation of equipment during education sessions except to demonstrate proper equipment operation.

The above education entitlements expire one (1) year from System installation date (or purchase date if sold separately). Ref#: 218372366180-100614

2	Bariatric Table	1
----------	------------------------	----------

The Bariatric Patient Support is designed to meet the CT imaging needs of the growing bariatric population. Allowing for patient loads of up to 295kg (650 lbs.), the Bariatric Patient Support provides CT imaging access to a larger patient population than current offerings.

Table Specifications:

Longitudinal motion:

Scannable range:

1750mm (iCT, Brilliance CT 16-slice, Brilliance CT Big Bore)
1860mm (Ingenuity Family)

Acquisition Speed: 0.5 to 185 mm/sec (iCT, Ingenuity Elite, Ingenuity Core, Ingenuity Core128)
0.5 to 100 mm/sec (Brilliance CT 16 - slice, Brilliance CT Big Bore)

Load/Unload Speed: 0.5 to 185 mm/sec (iCT, Ingenuity Elite, Ingenuity Core, Ingenuity Core 128)

Position accuracy: ± 0.25 mm

Vertical motion:

Range: 578 to 1028 mm; 1.0 mm inc. (Brilliance CT 16-slice)
579 to 1022 mm; 1.0 mm inc (Ingenuity Core, Ingenuity Core 128, Ingenuity Elite)

579 to 1012 mm: 1.0mm increment (Brilliance CT Big Bore)
645 to 1065mm; 1.0 mm inc. (iCT)

Table load capacity: 295 kg (650 lbs)

Floating tabletop: Carbon-fiber table top with foot pedal and handrail control for easy positioning and quick release.

The Bariatric Patient Support includes the Radiology Flat Top Kit. This kit, comprised of a wide accessory flat top, wide mattress pad and extra long patient restraint straps, provides additional comfort and security for patients. A quality assurance phantom holder fitted for the flat top is also included. Note: This flat top is not qualified for oncology radiation therapy usage and cannot be used to support the iCT calibration phantom.

3	Operator's Manual - English	1
----------	------------------------------------	----------

4	Keyboard Language - English	1
----------	------------------------------------	----------

5	Operator's Chair	1
----------	-------------------------	----------

One (1) standard height operator's chair.

6	Computer Table	1
----------	-----------------------	----------

Computer Table, for the Brilliance Console or the Extended Brilliance Workspace, provides a large enough working space (120cm) to accommodate dual monitors and other peripheral devices.

Line #	Description	Qty
7	<p>Step & Shoot Complete</p> <p>Step & Shoot Complete enables low-dose, prospectively ECG-triggered, axial thoracic imaging. Step & Shoot Complete allows gated, submillimeter, isotropic imaging of the entire thorax (up to 50 cm transaxial field of view), including the coronary arteries.</p> <p>Step & Shoot Complete is ideal for patients with heart rates below 75 bpm (iCT family with Speed & Power Enhancement) or 65 bpm (other scanner configurations). Arrhythmias are managed in real-time using proprietary, prospective-detection algorithms to pause acquisition during unstable heart rhythms.</p> <p><i>Prerequisite: Rate Responsive CV Toolkit, iPatient for iCT SP, Ingenuity family, and Brilliance CT 64-channel scanners</i></p>	1
8	<p>Load Unload Foot Pedal iCT</p> <p>Load and Unload foot pedals allow the operator to move the patient couch to the load or unload position using a foot pedal thus improving patient handling efficiency by the freeing the operator's hands to prepare, restrain, or release the patient.</p>	1
9	<p>30 Min Console UPS</p> <p>Uninterruptible Power Supply (UPS) provides up to 30 minutes of battery backup for computer/reconstruction system.</p>	1
10	<p>Isolation Trans 380-500VAC</p> <p>The isolation transformer may be used in conjunction with a Full System UPS to provide Voltage correction or may be used stand-alone when an isolated ground is not present or when a Wye supply is not available. This 225kVa (50/60Hz) rated isolation transformer required incoming voltages of 380/400/415/460/480/500VAC.</p> <p>Input voltage: 380/400/415/460/480/500VAC - 60/50 Hz.</p> <p><i>Refer to Planning Reference Documentation for more details.</i></p>	1
11	<p>Medrad Stellant ISI Interface Unit</p> <p>Medrad Stellant "ISI Interface Unit: Medrad Catalog # 3010434 The Medrad Stellant "ISI" Interface Unit provides the needed interface between the Stellant CT Injector and the SAS Option of the Brilliance CT Scanner.</p>	1
12	<p>IMR Education Entitlement</p> <p>iMR Upgrade Education:</p> <p>Initial Handover Training:</p> <p>Philips Clinical Education Specialist will provide twenty-four (24) hours of CT IMR and/or Advanced CT OnSite Education for up to four (4) students, selected by customer, including technologists from night/weekend shifts if necessary. CEUs are not available in all cases. Please read Training Guidelines for more information, which will be provided to you during the scheduling process. Note: Philips personnel are not responsible for actual patient contact or operation of equipment during education sessions except to demonstrate proper equipment operation.</p> <p>Follow Up OnSite Training:</p> <p>Clinical Education Specialist will provide twenty-four (24) hours of additional training on IMR and/or Advanced CT OnSite for up to four (4) students, as selected by customer, including</p>	1

Line #	Description	Qty
--------	-------------	-----

technologists from night/weekend shifts if necessary. CEUs are not available in all cases. Please read Training Guidelines for more information, which will be provided to you during the scheduling process. Note: Philips personnel are not responsible for actual patient contact or operation of equipment during education sessions except to demonstrate proper equipment operation.

Education expires one (1) year from equipment installation date (or purchase date if sold separately). Ref #296030296032-20131213

13

Trade in Allowance

1

Customer represents and warrants that (i) Customer has, and shall have when title passes, good and marketable title to the equipment being traded in and (ii) has the authority to effect such trade in.

Product: 728326.000 Ingenuity CT
Serial Number: 65589595
Manufacturer: PHILIPS HEALTHCARE

Trade-In authorization number: 102000

De-install Date: Not later than 180 days after receipt of Order

Customer will be trading-in equipment that is described on the attached System Disclosure Form (the "Trade-In"), which Trade-In the parties agree (i) will be removed on the De-install Date and (ii) is currently in the condition as represented on the System Disclosure Form. In addition, the parties agree as follows:

1. Customer represents and warrants that Customer has good and marketable title to the Trade-In as of the date of this Quotation and will have good and marketable title when Philips removes the Trade-In from Customer's site (the "Removal Date");
2. Title to the Trade-In shall pass from Customer to Philips on the Removal Date, unless otherwise agreed by Philips and the Customer;
3. Notwithstanding anything to the contrary in any Business Associate Addendum, Customer represents and warrants that as of the Removal Date all Protected Health Information will have been de-identified or removed from the Trade-In;
4. Philips may test and inspect the Trade-In prior to de-installation. If the condition of the Trade-In is not substantially the same on the Removal Date (ordinary wear and tear excepted) as it is identified on the System Disclosure Form, then Philips may reduce the price quoted for the Trade-In;
5. If the removal date is delayed until after the De-Install Date, unless Philips causes the delay, then Philips may reduce the price quoted for the Trade-In by six percent (6%) per month.
6. Philips is responsible for normal de-installation costs of the Trade-In.
7. The trade-in value will not include costs associated for any facility modifications and/or rigging required for de-installation and must be accounted for separately.
8. Customer is responsible for all plumbing necessary to properly drain coolant from chiller system and cap the lines.
9. Prior to the Removal Date, Customer shall remove from the room all equipment that is not being de-installed.

Line #	Description	Qty
1	CT Cardiac OnSite Educ 16h Clinical Education Specialists will provide sixteen (16) hours of tailored CT Cardiac OnSite Education for up to four (4) students, selected by customer, including technologists from night/weekend shifts if necessary. CEUs are not available in all cases. Please read Guidelines for more information, which will be provided to you during the scheduling process. Note: Philips personnel are not responsible for actual patient contact or operation of equipment during education sessions except to demonstrate proper equipment operation. Education expires one (1) year from equipment delivery date (or purchase date if not sold with equipment).	1
