



NC DEPARTMENT OF
**HEALTH AND
HUMAN SERVICES**

ROY COOPER • Governor

MANDY COHEN, MD, MPH • Secretary

MARK PAYNE • Director, Division of Health Service Regulation

VIA EMAIL ONLY

March 29, 2019

Chris Lumsden
clumsden@nhsc.org

Exempt from Review – Replacement Equipment

Record #: 2908
Facility Name: Northern Hospital of Surry County
FID #: 953376
Business Name: Northern Hospital District of Surry County
Business #: 1334
Project Description: Replace existing fixed MRI
County: Surry

Dear Mr. Lumsden:

The Healthcare Planning and Certificate of Need Section, Division of Health Service Regulation (Agency), determined that based on your letter of March 25, 2019, the above referenced proposal is exempt from certificate of need review in accordance with N.C. Gen. Stat. §131E-184(a)(7). Therefore, you may proceed to acquire without a certificate of need the SIGMA Artist MRI scanner to replace the existing SIGMA HDxt, Serial #R3283. This determination is based on your representations that the existing unit will be sold or otherwise disposed of and will not be used again in the State without first obtaining a certificate of need if one is required.

Moreover, you need to contact the Agency's Construction and Acute and Home Care Licensure and Certification Sections to determine if they have any requirements for development of the proposed project.

It should be noted that the Agency's position is based solely on the facts represented by you and that any change in facts as represented would require further consideration by this office and a separate determination. If you have any questions concerning this matter, please feel free to contact this office.

Sincerely,

Celia C. Inman
Project Analyst

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

cc: Construction Section, DHSR
Acute and Home Care Licensure and Certification Section, DHSR

NC DEPARTMENT OF HEALTH AND HUMAN SERVICES • DIVISION OF HEALTH SERVICE REGULATION
HEALTHCARE PLANNING AND CERTIFICATE OF NEED SECTION

LOCATION: 809 Ruggles Drive, Edgerton Building, Raleigh, NC 27603
MAILING ADDRESS: 809 Ruggles Drive, 2704 Mail Service Center, Raleigh, NC 27699-2704
www.ncdhhs.gov/dhsr • TEL: 919-855-3873

AN EQUAL OPPORTUNITY / AFFIRMATIVE ACTION EMPLOYER



**NORTHERN
HOSPITAL**
OF SURRY COUNTY



March 25, 2019

Martha Frisone, Chief
Healthcare Planning and Certificate of Need Section
2704 Mail Service Center
Raleigh, NC 27699-2704

RE: Written Notice for Exemption from Review for Replacement MRI Equipment
Northern Hospital of Surry County
License # H0184
FID # 953376
CON # G-006569-02

Dear Ms. Frisone:

Northern Hospital of Surry County intends to replace its one existing MRI scanner, a GE Signa HDxt 1.5T, that was acquired in 2003 in accordance with CON Project ID # G-006569-02. This existing fixed MRI scanner is installed in a coach that is parked full-time at the main campus of the hospital at 830 Rockford St., Mt Airy, NC. The proposed replacement MRI scanner, a GE Artist 1.5T, will also be installed in a coach and parked full time at the main hospital campus at the same location. The total capital cost of the MRI scanner that will be installed in the coach is \$1,987,246. This amount is based on the equipment quotes plus a contingency for electrical and/or plumbing costs related to installation. There are no additional construction costs or other anticipated capital costs to make the replacement fixed MRI scanner operational.

In accordance with NCGS 131 E-184, this letter provides justification and written notice regarding the replacement equipment. Northern Hospital of Surry County also provides documentation that the replacement equipment conforms to the Certificate of Need laws and Administrative rules:

G.S. 131E-176 (22a) Replacement equipment definition

G.S. 131E-184 (a) (7) Exemption from review to provide replacement equipment less than \$2 million

G.G. 131E-184 (f) Exemption from review to provide replacement equipment greater than \$2 million
10A NCAC 14C.0303 Replacement Equipment Administrative Rules

Compliance Documentation

Compliance with G.S. 131E-176 (22a) Replacement equipment definition and G.S. 131E-184 (a) (7) Replacement equipment exemption is demonstrated in the Capital Cost form in Attachment 1 and the MRI equipment quote in Attachment 2 which shows that the replacement MRI scanner and coach will cost less than \$2,000,000. The replacement MRI scanner meets the definition and this exemption standard.

The new replacement unit, a GE SIGNA Artist 1.5T MRI scanner, will be installed in a coach and located at the hospital main campus at 830 Rockford St, Mt Airy North Carolina. The existing MRI unit will be removed from North Carolina by GE when the new unit is fully operational. The cost of removing the existing MRI equipment is included in the GE quote.

As seen in Attachment 3, Northern Hospital of Surry County documents that the replacement MRI equipment will be used for the same diagnostic purposes as the existing MRI scanner.

Even if the total capital cost were to exceed \$2,000,000, the proposed MRI replacement at Northern Hospital of Surry County would be in compliance with G.S. 131E-176 (f) Exemptions from review as follows:

G.S. 131E-176 (f) The Department shall exempt from certificate of need review the purchase of any replacement equipment that exceeds the two million dollar (\$2,000,000) threshold set forth in G.S. 131E-176(22a) if all of the following conditions are met:

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

The proposed replacement MRI scanner will be located at 830 Rockford St., Mt Airy, NC 27030. This is the site of the main building from which a licensed health service facility, Northern Hospital of Surry County (Licensed # H0184), provides clinical patient services. The hospital administration office of Chis Lumsden, CEO is in this main building. Mr. Lumsden exercises financial and administrative control over the entire facility, including the buildings and grounds adjacent to the main building. The replacement MRI scanner will be located on the same hospital main campus site as the existing MRI scanner.

(2) The Department has previously issued a certificate of need for the equipment being replaced. This subdivision does not apply if a certificate of need was not required at the time the equipment being replaced was initially purchased by the licensed health service facility.

The Department previously issued CON # G-006569-02 to Northern Hospital of Surry County to acquire the fixed MRI scanner.

(3) The licensed health service facility proposing to purchase the replacement equipment shall provide prior written notice to the Department, along with supporting documentation to demonstrate that it meets the exemption criteria of this subsection.

Northern Hospital of Surry County is providing prior written notice to purchase the replacement MRI equipment.

Applicability and Conformance with Administrative Rule 10A NCAC 14C.0303 Replacement Equipment

Northern Hospital of Surry County will acquire and install the replacement fixed MRI scanner.

10A NCAC 14C.0303 Replacement Equipment

(a) *The purpose of this Rule is to define the terms used in the definition of "replacement equipment" set forth in G.S. 131E-176(22a).*

Northern Hospital of Surry County has reviewed this rule definition.

(b) *"Activities essential to acquiring and making operational the replacement equipment" means those activities which are indispensable and requisite, absent which the replacement equipment could not be acquired or made operational.*

Northern Hospital of Surry County has reviewed this rule definition.

(c) *"Comparable medical equipment" means equipment which is functionally similar and which is used for the same diagnostic or treatment purposes.*

Northern Hospital of Surry County has reviewed this rule definition.

(d) *Replacement equipment is comparable to the equipment being replaced if:*
(1) it has the same technology as the equipment currently in use, although it may possess expanded capabilities due to technological improvements; and

The replacement MRI scanner is comparable to the equipment being replaced because the new equipment will also obtain MRI images. The proposed replacement fixed MRI scanner is a GE SIGNA Artist 1.5T that is not an extremity MRI or a dedicated breast MRI unit.

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

Northern Hospital of Surry County certifies that the replacement MRI equipment will be used for the same diagnostic purposes as the existing MRI scanner.

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

Included in Attachment 3 is documentation from Northern Hospital of Surry County that it will not increase charges by more than 10% during the first twelve months of the replacement scanner's operation. The new MRI scanner is not expected to increase the average cost per procedure because it has a warranty that will initially reduce maintenance costs. The new MRI will also support staff productivity.

- (e) *Replacement equipment is not comparable to the equipment being replaced if:*
- (1) *the replacement equipment is new or reconditioned, the existing equipment was purchased second hand and the replacement equipment is purchased less than three years after the acquisition of the existing equipment.*

Not applicable. As seen in the table on page 5, the equipment being replaced was purchased new in 2003.

- (2) *The replacement equipment is new, the existing equipment was reconditioned when purchased, and the replacement equipment is purchased less than three years after the acquisition of the existing equipment; or*

Not applicable. The replacement equipment is a new GE SIGNA Artist 1.5 T unit and the existing equipment was new when it was acquired in 2003.

The replacement equipment is capable of performing procedures that could result in the provision of a new health service or type of procedure that has not been provided with the existing equipment; or

Not applicable. The replacement equipment is functionally similar to the existing equipment and will be used for the same diagnostic procedures as the existing equipment. The replacement equipment is a full featured MRI scanner. These features do not change the basic technology or result in the provision of a new health service or type of procedure.

- (4) *The replacement equipment is purchased and the existing equipment is leased, unless the lease is a capital lease;*

Not applicable. The existing equipment is not leased.

- (5) *The replacement equipment is a dedicated PET scanner and the existing equipment is:*

- (A) *a gamma camera with coincidence capability; or*
- (B) *nuclear medicine equipment that was designed, built, modified to detect only the single photon emitted from nuclear events other than positron annihilation.*

Not applicable. The existing equipment is not a dedicated PET scanner, gamma camera or nuclear medicine equipment.

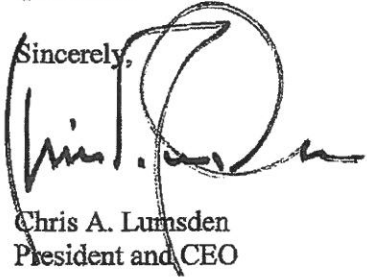
EQUIPMENT COMPARISON

	EXISTING EQUIPMENT	REPLACEMENT EQUIPMENT
Type of Equipment (List Each Component)	MRI	MRI
Manufacturer of Equipment	GE	GE
Tesla Rating for MRIs	1.5T	1.5T
Model Number	Signa HDxt	SIGNA Artist
Serial Number	R3283	TBD
Provider's Method of Identifying Equipment	336719MRI	SIGNA Artist
Specify if Mobile or Fixed	Fixed	Fixed
Mobile Trailer Serial Number/VIN #	NA Fixed	NA Fixed
Mobile Tractor Serial Number/VIN #	NA Fixed	NA Fixed
Date of Acquisition of Each Component	2003	2019
Ownership	Holds Title	Holds Title
Specify if Equipment Was/Is New or Used When Acquired	New	New
Total Capital Cost of Project (no construction involved)*	NA	\$1,987,246
Total Cost of Equipment	NA	\$1,967,246
Fair Market Value of Equipment	NA	NA
Net Purchase Price of Equipment	NA	NA
Locations Where Operated Currently	Northern Hospital of Surry County, Mt Airy	Northern Hospital of Surry County, Mt Airy
Number Days In Use/To be Used in N.C. Per Year	Up to 365	Up to 365
Percent of Change in Patient Charges (by Procedure)	NA	0%
Percent of Change in Per Procedure Operating Expenses (by Procedure)	NA	0%
Type of Procedures Currently Performed on Existing Equipment	MRI Procedures	MRI Procedures
Type of Procedures New Equipment is Capable of Performing	NA	MRI procedures

*Total Capital Costs includes Equipment Cost plus \$20,000 for installation cost for electrical and or plumbing contingency.

Thank you for your review and consideration. Please call me at 336 719-7101 if you have any questions.

Sincerely,

A handwritten signature in black ink, appearing to read "Chris A. Lumsden". The signature is stylized with a large, looping initial "C" and "L".

Chris A. Lumsden
President and CEO

Attachments:

- 1) CON Capital Cost Form
- 2) Equipment Quote
- 3) Letter Regarding Replacement MRI Scanner and Patient Charges

EXHIBIT 1 - PROJECTED CAPITAL COST

Project Name: Northern Hospital of Surry County Fixed MRI Replacement

Proponent: Northern Hospital of Surry County

A. Site Costs			
(1)	Full purchase price of land	N/A	
	Acres _____ Price per Acre N/A		
(2)	Closing costs	N/A	
(3)	Site Inspection and Survey		\$0
(4)	Legal fees and subsoil investigation.		\$0
(5)	Site Preparation Costs		
	Soil Borings	\$ _____	
	Clearing-Earthwork	\$ _____	
	Fine Grade For Slab	\$ _____	
	Roads-Paving	\$ _____	
	Concrete Sidewalks	\$ _____	
	Water and Sewer	\$ _____	
	Footing Excavation	\$ _____	
	Footing Backfill	\$ _____	
	Termite Treatment	\$ _____	
	Other (Specify)	\$ _____	
	Sub-Total Site Preparation Costs		\$0
(6)	Other (Specify)		\$0
(7)	Sub-Total Site Costs		\$0
B. Construction Contract			
(8)	Cost of Materials		
	General Requirements	\$ _____	
	Concrete/Masonry	\$ _____	
	Doors & Windows/Finishes	\$ _____	
	Thermal & Moisture Protection	\$ _____	
	Equipment/Specialty Items	\$ _____	
	Mechanical/Electrical	\$ _____	
	Other (Specify)	\$ _____	
	Sub-Total Cost of Materials	\$ _____	
(9)	Cost of Labor	\$ _____	
(10)	Other (Specify)	\$ _____	
(11)	Sub-Total Construction Contract		\$0
C. Miscellaneous Project Costs			
(12)	Building Purchase	N/A	
(13)	Fixed Equipment Purchase	\$1,967,246	
(14)	Movable Equipment Purchase/Lease	\$ _____	
(15)	Furniture	\$ _____	
(16)	Landscaping	\$ _____	
(17)	Consultant Fees		
	Architect and Engineering Fees	\$ _____	
	Legal Fees	\$ _____	
	Market Analysis	\$ _____	
	Other (Specify)	\$ _____	
	Sub-Total Consultant Fees		\$0
(18)	Financing Costs (e.g. Bond, Loan, etc.)		\$0
(19)	Interest During Construction		\$0
(20)	Other (Installation Contingency)	\$20,000	
(21)	Sub-Total Miscellaneous		\$1,987,246
D/	Total Capital Cost of Project		\$1,987,246

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

(Proponent - Signature of Officer)

(Title of Officer)

Date Signed:

3-28-2019



March 8, 2019
Quote Number: 2001757438.19
Customer ID: 1-23HY69
Agreement Expiration Date: 6/6/2019

Northern Hospital of Surry County
830 Rockford St
Mount Airy, NC 27030-5322

This Agreement (as defined below) is by and between the Customer and the GE Healthcare business ("GE Healthcare"), each as identified below for the sale and purchase of the Products and/or Services Identified in this Quotation, together with any applicable schedules referred to herein ("Quotation"). "Agreement" is this Quotation and either: (i) the Governing Agreement identified below; or (ii) if no Governing Agreement is identified, the GE Healthcare Terms and Conditions and Warranties that apply to the Products and/or Services identified in this Quotation. In the event of conflict, the Quotation supersedes.

GE Healthcare can withdraw this Quotation at any time before Customer: (i) signs and returns this Quotation or (ii) provides evidence of Quotation acceptance satisfactory to GE Healthcare ("Quotation Acceptance"). On Quotation Acceptance, this Agreement is the complete and final agreement of the parties relating to the Products and/or Services identified in this Quotation. There is no reliance on any terms other than those expressly stated or incorporated by reference in this Agreement and, except as permitted in this Agreement, no attempt to modify will be binding unless agreed to in writing by the parties. Modifications may result in additional fees and cannot be made without GE Healthcare's prior written consent.

Handwritten or electronic modifications on this Agreement (except an indication of the form of payment, Customer purchase order number and signatures on the signature blocks below) are void.

Governing Agreement:	HPG #500043
Terms of Delivery	
Billing Terms	80% delivery or Shipment / 20% Acceptance or Installation
Payment Terms	NET 30
Total Quote Net Selling Price	\$1,967,246.00
Sales and Use Tax Exemption	No Certificate on File

INDICATE FORM OF PAYMENT:

(If there is potential to finance with a lease transaction, by GE HEF otherwise, select lease)

- Cash*
- Lease
- GE HEF Loan
- If financing, please provide name of finance company: _____

*Selecting "Cash" or not identifying GE HEF as the finance company declines the option for GE HEF financing.

The parties have caused this Agreement to be executed by their authorized representative as of the last signature date below.

Northern Hospital of Surry County

Signature: _____

Print Name: _____

Title: _____

Date: _____

Purchase Order Number, if applicable

GE Precision Healthcare LLC, a GE Healthcare business

Signature: Bob Garlington

Title: Account Manager - VASO Mfr Rep

Date: March 8, 2019



March 8, 2019
Quote Number: 2001757438.19
Customer ID: 1-23HY69
Agreement Expiration Date: 6/6/2019

To Accept This Quotation

Please sign and return this quotation together with your Purchase Order to:

Name: Scott Ramsey

Email: scott.ramsey@ge.com

Phone: 919-621-1657

Fax: 919-869-1618

Payment Instructions

Please remit payment for invoices associated with this quotation to:

GE Precision Healthcare LLC

P.O. Box 96483

Chicago, IL 60693

FEIN: 83-0849145

Northern Hospital of Surry County Addresses:

Bill To: NORTHERN HOSPITAL OF SURRY COUNTY ACCOUNTS PAYABLE, PO BOX 1101, MOUNT AIRY, NC, 27030 SURRY

Ship To: NORTHERN HOSPITAL OF SURRY COUNTY COUNTY, 830 ROCKFORD ST, MOUNT AIRY, NC, 27030-5322 SURRY

To Accept This Quotation

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

Upon submission of a purchase order in response to this quotation, GE Healthcare requests the following to evidence agreement to contract terms: Signature page on quote filled out with signature and P.O. number **** OR**** Verbiage on the purchase order must state one of the following:

(i) Per the terms of Quotation # _____, (ii) Per the terms of GPO # _____; (iii) Per the terms of MPA# _____; or (iv) Per the terms of SAA # _____.

Include applicable quote/agreement number with the reference on the purchase order. In addition, Source of Funds (choice of Cash/Third Party Load or GE HEF Lease Loan or Third Party Lease through _____), must be indicated, which may be done on the Quote Signature Page (for signed quotes), or the Purchase Order (where quotes are not signed) or via a separate written source of funds statement (if provided by GE Healthcare)."

1	1.00	S7526EN	SIGNA™ Artist 1.5T 96-Channel MR System for Orthopedic Imaging
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SIGNA™ Artist 1.5T 96-Channel MR System for Orthopedic Imaging from GE Healthcare, fueled by our new SIGNA™Works productivity platform, is a harmonious design of form and function, crafted to energize your productivity, enhance security, improve diagnostics and boost your bottom line.

The Artist configuration for Orthopedic imaging includes the system electronics, operating software, imaging software, post-processing software and RF coil suite:

- RF-Receive Technology
- RF Coil Suite
- eXtreme Gradient Technology
- ART Quiet Technology
- Computing Platform and DICOM
- eXpress Detachable Table
- SIGNA™Flow and READYView Workflow
- SIGNA™Works Applications Toolkit for Orthopedic imaging

Total Digital Imaging: SIGNA™ Artist features the 96-channel Total Digital Imaging RF architecture. This technology delivers images with enhanced clarity and high SNR performance. The TDI RF architecture includes:

- Direct Digital Interface (DDI) employs an independent analog-to-digital converter to digitize inputs from each of the 96 RF channels. Thus, very element translates to a digitized signal to deliver high quality images.
- Digital Micro Switching (DMS) technology represents a revolutionary advance in RF coil design by replacing analog blocking circuits with advanced Micro Electro-Mechanical System (MEMS) based blocking circuits enabling a coil design that supports ultrafast switching times for further expansion of Zero-TE imaging.
- SIGNA™ Artist is prepared for Digital Surround Technology (DST). DST delivers the ability to simultaneously acquire signal from the integrated body coil and the surface coil by combining the independently digitized signal from each. The superior SNR and sensitivity of the high-density surface coils are combined with the superior homogeneity and deeper signal penetration of the integrated RF Body Coil to deliver enhance image quality.

RF Coil Suite: The Artist coil suite is designed to enhance patient comfort and image quality while simplifying workflow by ensuring that the geometry of the surface coil matches the geometry of the patient. The suite includes:

- (1) Integrated T/R Body Coil
- (1) T/R Head Coil
- (1) Posterior Array
- (1) Head-Neck Unit
- (1) Anterior Array

The Posterior Array is designed to provide optimal element geometry for each targeted anatomy by using different element geometries for the cervical-to-thoracic spine transition, thoracic and lumbar spine, and the body. The PA coil is designed to be used in conjunction with the HNU, 1 or 2 AA coils combined (2nd is sold separately), Small AA (sold separately), and the PV Array (sold separately). The PA coil is embedded in the Express detachable table and is invisible to additional surface coils when they are placed directly on top of the surface.

- Elements: 40
- Length: 100 cm; Width: 40cm
- S/I coverage: 100cm head-first or feet-first
- Parallel imaging in all three scan planes
- Head-first or feet-first positioning

The Head and Neck Unit comprises the head base-plate and three anatomically optimized anterior arrays: the anterior Neuro-

vascular array, the anterior cervical spine array, the anterior open-face array. The HNU may be positioned at either end of the Express table to support head-first or feet-first imaging and may remain in place for all body, vascular, spine, and most MSK exams. The HNU base plate supports the patient's head, and the Comfort Tilt variable-degree ramp can be positioned under the HNU base plate to elevate the coil to match the patient's head and neck position.

- Elements: up to 28 combined with PA and AA
- Length: 49.5 cm; Width: 38.8 cm
- Height with NV Array: 35.4 cm
- Height with Cervical Array: 32.6 cm
- Height with Open Array: 25.9 cm
- S/I coverage: up to 50 cm with PA and AA
- Parallel imaging in all three scan planes
- Head-first or feet-first positioning

The Anterior Array is designed for large field of view imaging for chest, abdomen, pelvis, and cardiac imaging. The AA coil is lightweight, thin and flexible, and pre-formed to conform to the patient's size and shape. With 54 cm of S/I coverage, the AA permits upper abdomen and pelvis imaging without repositioning the coil. In addition, two of AA's can be combined to perform extended coverage for Oncologic imaging.

- Elements: up to 36 combined with PA
- Length: 55.6 cm; Width: 67.4 cm
- S/I coverage: 54 cm
- R/L coverage: up to the full 50 cm FOV
- Parallel imaging in all three scan planes
- Head-first or feet-first positioning

eXtreme Gradient Technology (XRM): SIGNA™ Artist delivers high temporal resolution through 3-axis gradient amplifier power supply and efficient gradient coil design as well as high spatial integrity through excellent magnet homogeneity and gradient linearity over a large FOV. The XRM gradients are non-resonant and actively shielded to minimize eddy currents, and use an innovative digital control architecture design to deliver high fidelity, accuracy and reproducibility.

- Peak amplitude per axis: 44 mT/m
- Up to 200 T/m/s instantaneous peak slew rate per axis
- Peak current and voltage: 830 Amps, 1650 Volts
- Digital PI feedback loop control
- Maximum FOV: 50cm
- Duty Cycle: 100%

Quiet Technology (ART): SIGNA™ Artist features Acoustic Reduction Technology (ART) designed to deliver an enhanced patient experience by significantly addressing both vibrational noise and airborne sound through 5 levels of technology.

- Gradient and RF coil isolation – isolates the resonance module from the magnet
- Vibro-acoustic isolation – isolated the magnet from the building
- Mass-damped acoustic barriers – further mute sound
- Gradient waveform optimization – user selectable

Computing Platform: SIGNA™ Artist utilizes a parallel, multi-processor design to enable simultaneous scanning, reconstruction, filming, post-processing, archiving, and networking.

Host PC Platform – Intel Xeon E501620 3.5Ghz (4 core)

- Memory: 32 GB
- Hard Disk Storage: 2 x 512 GB SSD
- Media Drives: CD/DVD
- Operating System: Scientific Linux

Reconstruction Engine – Intel Xeon E5-2680 (2 x12 core)

- Memory: 96 GB
- Hard Disk Storage: 2 x 400 GB SSD
- 2D FFT/second (256 x 256 Full FOV): 62,000 2DFFT/second
- Operating System: Scientific Linux

The Host PC includes a keyboard assembly with an integrated intercom speaker, microphone, volume controls, and emergency stop switch. Start scan, pause scan, stop scan and table advanced to center hot keys are also included.

DICOM: The SIGNA™ Artist generates MR Image, Secondary Capture, Structured Report, and Gray Scale Softcopy Presentation State DICOM objects. The DICOM networking supports both send and query retrieve as well as send with storage commit to integrate with PACS archive. Please refer to the DICOM Compliance Statement for SIGNA™ Artist for further details.

SIGNA™Works clinical applications and SIGNA™Flow are the latest software platform from GE with core pulse sequences, specialized clinical applications, workflow enhancements and visualization tools designed to enable high productivity with exceptional quality and outcomes with SIGNA™ Artist.

SIGNA™Flow is designed to standardize and accelerate workflow from patient set-up to scanning to review. Workflow can begin before the patient enters the magnet room and exams can be completed within a few mouse clicks – delivering quality and consistency for all patients and from all technologists. At the same time, SIGNA™Flow maintains the flexibility needed to rapidly adapt and optimize exams for patient specific situations.

- Express Detachable Table
- IntelliTouch Land-marking
- In-Room Operator Console
- Protocol Libraries and Management Tools
- Workflow Manager and Auto Functions
- Inline Processing, Networking and Viewing
- ReadyView post processing (on console)

Express Docking Table: The Express table is a mobile patient transport device that includes the Posterior RF Array and touch sensitive IntelliTouch land-marking. The fully detachable table is easily docked and undocked by a single operator and simple to move in and out of the exam room for patient transport and preparation. The Express table and embedded PA coil are designed to accommodate head-first or feet-first imaging for all supported exams.

- Coil Connection Ports: 3; one at each end; one for embedded PA
- Maximum patient weight for scanning: 500 lbs
- Maximum patient weight mobile: 500 lbs
- Maximum patient weight for lift: 500 lbs
- 205 cm symmetrical scan range
- Automated vertical and longitudinal power drive
- Fast longitudinal speed: 30 cm/second
- Slow longitudinal speed: 0.5 cm/second
- Integrated arm boards and non-ferrous IV pole
- IntelliTouch and laser land-marking
- Laser alignment land-marking

SIGNA™Flow Modality Worklist delivers an automated method to obtain patient, exam and protocol information from a DICOM work-list server. For sites with full DICOM connectivity, once a patient has been selected from the Modality Worklist, a new session can be started and the In-Room Operator Console will automatically highlight the relevant exam details. The Modality Worklist enables complete control of the MR protocol prescription, but also reduces work by allowing the MR protocol to be selected and linked to the patient record in advance of the patient's arrival.

SIGNA™Flow Protocol Tools enable exam automation while also giving the user complete control of protocols for prescription, saving, searching, and sharing. Protocols are organized into two libraries: GE Optimized (preloaded protocols) and Site Authored (customized and saved). Protocols can be saved based on patient demographics, anatomy, scan type, or identification number for rapid search and selection, and commonly used protocols can be flagged as favorites for quick selection from the Modality Worklist. ProtoCopy enables a complete exam protocol to be shared with the click of a mouse and provides a process for managing protocols across multiple systems as well as saving protocols for back-up.

GE protocols provided with the system include Protocol Notes designed to guide the user through the procedure. For special applications, Protocol Notes also include video guides with step-by-step video-based demonstration and instruction. Protocol Notes can be edited by the user to reflect protocol modifications to aid communication among users.

SIGNA™Flow Workflow Manager and Linking: Upon selection a protocol automatically loads into the Workflow Manager for implementation. The Workflow Manager controls location prescription, acquisition, processing, visualization and networking, and can fully automate these steps, if requested by the user. Once the target anatomy has been prescribed, the Linking feature can be used to translate appropriate parameters to all subsequent series that have been linked, eliminating the need for further action by the user.

Auto Functions when selected can automatically initiate the localizer, coil selection, series-to-series scanning, multi-station scanning, prescription of scan plans for brain exams, as well as delivered instructions to the patient. Pause and Resume allows the user to pause a scan in progress (even in automated mode), to respond to a patient need, and then resume mid-scan (without starting the scan over) helping to address rescans.

Auto Protocol Optimization (APx) is designed to optimize breath-hold exams by enabling rapid adjustment of imaging parameters for patient circumstances. APx automatically calculates alternative protocol parameters, to either optimize scan time or resolution, for one click selection.

Auto Navigators enable free-breathing (respiratory compensated) body imaging for patients unable to breath-hold. The diaphragm tracker pulse automatically places and updates to streamline workflow and eliminate the set-up time associated with respiratory bellows. Auto Navigators can be use with a broad range of imaging techniques including dynamic contrast enhanced T1-weighted imaging.

SIGNA™Flow Inline Processing automatically completes post-processing steps for the user after the images have been reconstructed and saved into the database. For certain tasks, such as vascular segmentation, the user must accept the results, or complete additional steps prior to saving the images to the database. These automated processing steps can be saved to the (scan) protocol to ensure consistent output and workflow:

- Diffusion weighted series: automatic compute and save
- Diffusion tensor series: automatic compute and save
- eDWI: automatic compute and save
- Image filtering: automatic compute and save
- Maximum/Minimum Intensity Projection: automatic compute and save
- Pasting: automatic compute and save
- Reformat to orthogonal plane: automatic compute and save
- T2 map for cartilage: automatic compute and save
- 3D Volume Viewer: automatic load
- Image Fusion: automatic load
- Interactive Vascular Imaging: automatic load
- FiberTrak: automatic load
- Spectroscopy: automatic load

SIGNA™Flow Advanced Visualization: READYView is an advanced visualization tool designed to simplify the quantitative analyses of multiple data sets. READYView automatically selects the most relevant post-processing protocol for the user and provides guided



March 8, 2019
 Quote Number: 2001757438.19
 Customer ID: 1-23HY69
 Agreement Expiration Date: 6/6/2019

workflow and general assistance for the processing algorithms. In addition, the user can customize workflows with adjustable layouts, personalized parameter settings, and custom review steps. Key capabilities of READYView include the ability to analyze, export and save:

- Time series
- Diffusion weighted series
- Diffusion tensor series
- Variable echo series
- Blood oxygen level dependent series (functional data)
- Spectroscopy data (single voxel and 2D or 3D CSI)
- Elastography series

SIGNA™Works applications tools are designed to complement SIGNA™Flow to standardize and accelerate workflow from patient set-up to scanning to review. The clinical imaging tools are organized to address six clinical areas: NeuroWorks, OrthoWorks, BodyWorks, OncoWorks, CVWorks and PaedWorks. The SIGNA™ Artist configuration for Orthopedic imaging provides the enhanced OrthoWorks XT toolkit and MAVRIC SL.

OrthoWorks, OrthoWorks XT and MAVRIC SL together delivers applications and Imaging options optimized for the challenges of MSK and Spine imaging. Please refer to the product data sheet for SIGNA™ Artist for complete details.

- MARS High Bandwidth distortion reduction for FSE
- PROPELLER MB motion robust radial FSE now with T1 and Fat Suppression (STIR and ASPIR)
- 3D Cube FSE-based imaging
- 3D COSMIC modified steady state imaging
- 2D/3D MERGE T2* multi-echo fast gradient echo imaging
- FLEX fat-water separation imaging for FSE and Cube
- IDEAL fat-water separation imaging for FSE and GRE
- DTI diffusion tensor imaging
- FiberTrak processing for diffusion tensor imaging
- CartiGram T2 cartilage assessment
- MAVRIC SL MR-Conditional implant imaging
- READYView post-processing

While optimized for Orthopedic imaging the SIGNA™ Artist system is also fully configured for whole body MR imaging:

- NeuroWorks delivers applications and imaging options optimized for the challenges of Neuro imaging. Please refer to the product data sheet for SIGNA™ Artist for complete details.
- BodyWorks delivers applications and imaging options optimized for the challenges of Body imaging. Please refer to the product data sheet for SIGNA™ Artist for complete details.
- OncoWorks delivers applications and imaging options optimized for the challenges of Oncology imaging. Please refer to the product data sheet for SIGNA™ Artist for complete details.
- CVWorks delivers applications and imaging options optimized for the challenges of Vascular and Cardiac imaging. Please refer to the product data sheet for SIGNA™ Artist for complete details.
- PaedWorks delivers applications and imaging options optimized for the challenges of Vascular and Cardiac imaging. Please refer to the product data sheet for SIGNA™ Artist for complete details.

List Price	Discount	Extended Price	Net Price
\$1,506,750.00	64.65%	\$1,506,750.00	\$532,695.45

2	1.00	M7006HD	SIGNA Artist 1.5T Magnet Collector
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To improve the patient experience and provide high image quality, no other component of an MRI system has greater impact than the magnet. The SIGNA Artist 1.5T system features a short, wide bore magnet that delivers a large field of view. The magnet geometry has been optimized to reduce patient anxiety by providing more space in the bore and more exams with the patient's head outside of the magnet. The 50cm field of view provides uniform image quality and can reduce exam times since fewer acquisitions may be necessary to cover large areas of anatomy. Complemented by GE's active shielding technology, the Artist has very flexible installation specifications to provide easy siting. And with zero-boil-off magnet technology, helium refills are effectively eliminated, thus reducing operating costs and maximizing uptime.

Magnet:

- Manufactured by GE Healthcare.
- Operating field strength 1.5T (63.86 MHz).
- Active magnet shielding
- Zero boil-off Cryogenics.
- Magnet length 145cm.
- Patient Aperture 76 cm.
- Patient Bore Diameter 70cm.
- Patient Bore Length 105cm.
- Maximum Field of View 50 cm x 50 cm x 50 cm.

Magnet Homogeneity: Typical ppm and Guaranteed ppm shown.

- 10cm DSV 0.007 and 0.02.
- 20cm DSV 0.035 and 0.06.
- 30cm DSV 0.11 and 0.18.
- 40cm DSV 0.5 and 0.7.
- 45cm DSV 1.2 and 1.6.
- 50x50x45cm 2.3 and 3.6.
- 50cm DSV 3.3.

DSV = Diameter Spherical Volume. Homogeneity for an elliptical volume of 50cm (x,y) by 45cm (z) dimension volume is shown for reference. Fringe field (axial x radial):

- 5 Gauss = 4.0 m x 2.5 m.
- 1 Gauss = 6.2 m x 3.7 m.

Quiet Technology:

GE has implemented Quiet Technology on critical components of the Optima MR system to reduce acoustic noise and improve the patient environment. This technology enables full use of the eXtreme Gradient Platform for excellent image quality, while maintaining a safe environment for the patient. The technology encompasses the gradient coil, RF body coil, and magnet mounting.

<u>List Price</u>	<u>Discount</u>	<u>Extended Price</u>	<u>Net Price</u>
\$1,185,000.00	64.65%	\$1,185,000.00	\$418,944.16

Line	Qty	Unit Price	Material Code	Description
3	1.00	\$7505EK		Preinstallation Collector and Cable Concealment Kit

The Preinstallation Collector delivers to the site in advance of the magnet and main electronic components. This facilitates the later delivery and installation of supporting electronics. The following are the main components in the Preinstallation collector:

- Heat exchange cabinet for distribution of chilled water.
- Primary Penetration wall panel for support of the penetration cabinet.
- Secondary Penetration wall panel for support of gradient filters, helium cables, and chilled air and water.



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- Helium cryocooler hose kit.

The Cable Concealment Kit accommodates a wide-range of scan room ceiling heights and is designed to provide a clean-look installation by concealing the overhead cabling from view.

<u>List Price</u>	<u>Discount</u>	<u>Extended Price</u>	<u>Net Price</u>
\$104,000.00	64.65%	\$104,000.00	\$36,768.05

Line	Qty	Catalog	Description
4	1.00	M7002CB	1.5T Calibration Phantom Kit

The 1.5T Calibration Phantom Kit contains a large volume shim phantom, a daily quality assurance phantom, an echo-planar calibration phantom, and the associated loader shells.

<u>List Price</u>	<u>Discount</u>	<u>Extended Price</u>	<u>Net Price</u>
\$7,000.00	64.65%	\$7,000.00	\$2,474.83

Line	Qty	Catalog	Description
5	1.00	M7000VA	Vibroacoustic Dampening Kit

Material in the Vibroacoustic Dampening Kit can significantly attenuate the transmission of gradient-generated acoustic noise through the building structure to nearby areas, including adjacent rooms and floors above or below the MR suite. If this kit is applied during the installation of a new magnet, no additional service charges are necessary. However, installation of the Vibroacoustic Dampening kit under an existing magnet requires special steps. The steps to prepare the site and steps to install, such as modifications to the RF screen room, and other magnet rigging, modifications to the RF screen room, and other finishing work, are not covered in the pricing.

<u>List Price</u>	<u>Discount</u>	<u>Extended Price</u>	<u>Net Price</u>
\$14,700.00	64.65%	\$14,700.00	\$5,197.00

Line	Qty	Catalog	Description
6	1.00	M7006CF	Artist 1.5T Cable Collector - A

Artist 1.5T Cable Collector - A

<u>List Price</u>	<u>Discount</u>	<u>Extended Price</u>	<u>Net Price</u>
\$25,000.00	64.65%	\$25,000.00	\$8,838.45

Line	Qty	Catalog	Description
7	1.00	M7000YS	Gradient Cable Collector - A

Gradient Cable Collector - A

<u>List Price</u>	<u>Discount</u>	<u>Extended Price</u>	<u>Net Price</u>
\$15,000.00	64.65%	\$15,000.00	\$5,303.04

Line	Qty	Catalog	Description
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8 1.00 M7000WL Main Disconnect Panel

The Main Disconnect Panel safeguards the MR system's critical electrical components, by providing complete power distribution and emergency-off control.

List Price	Discount	Extended Price	Net Price
\$12,000.00	64.65%	\$12,000.00	\$4,242.46

Line	Qty	Catalog	Description
9	1.00	M3335CA	Calibration Kit Phantom Holder Cart

Calibration Kit Phantom Holder Cart

List Price	Discount	Extended Price	Net Price
\$3,000.00	64.65%	\$3,000.00	\$1,060.58

Line	Qty	Catalog	Description
10	1.00	M1000MW	Operator Console Table

The Operator Console Table is designed specifically for the color LCD monitor and keyboard.

List Price	Discount	Extended Price	Net Price
\$2,550.00	64.65%	\$2,550.00	\$901.51

Line	Qty	Catalog	Description
11	1.00	M3335JZ	English Keyboard

Required for our operator console. This keyboard is ergonomically designed to keep your staff comfortable even through the longest shifts. The scan control keyboard assembly has an intercom speaker, microphone, volume controls and emergency stop switch.

List Price	Discount	Extended Price	Net Price
\$0.00	0.00%	\$0.00	\$0.00

Line	Qty	Catalog	Description
12	1.00	R32052AC	Standard Service License

The Standard Service 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.

List Price	Discount	Extended Price	Net Price
\$0.00	0.00%	\$0.00	\$0.00

Line	Qty	Catalog	Description
13	1.00	S7526AD	VascularWorks XT Package



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The VascularWorks XT Package includes the following:

- TRICKS
- Inhance Suite

TRICKS (Time Resolved Imaging of Contrast Kinetics) provides high resolution multi-phase 3D volumes of any anatomy for fast accurate visualization of the vasculature. With segmented complex data recombination, TRICKS can accelerate 3D dynamic vascular imaging without compromising spatial detail.

TRICKS also uses elliptic centric data collection for optimized contrast resolution and auto-subtraction for optimized background suppression. The result is time course imaging that does not require timing or triggering, provides high temporal and high spatial resolution, and enables the extraction of optimum phases of data. As a result, TRICKS enables reliable, high quality vascular imaging. TRICKS is compatible with surface coils and supports parallel imaging for even higher temporal resolution.

The Inhance Suite application consists of several sequences designed to provide high-resolution images of the vasculature with short-acquisition times and excellent vessel detail. These sequences include: Inhance Inflow IR: Inhance Inflow IR is an angiographic method, which has been developed to image renal arteries with ability to suppress static background tissue and venous flow. This sequence is based on 3D FIESTA, which improves SNR, as well as produce bright blood images.

Inhance 3D Velocity: Inhance 3D Velocity is designed to acquire angiography images in brain and renal arteries with excellent background suppression in a short scan time. By combining a volumetric 3D phase contrast acquisition with parallel imaging, efficient k-space traversal, and pulse sequence optimization, Inhance 3D Velocity is capable of obtaining complete Neurovascular imaging in 5-6 minutes.

Inhance 3D Deltaflow is a 3D non-contrast enhanced MRA application for peripheral arterial imaging. Inhance 3D Deltaflow is based on the 3D Fast Spin Echo technique and it utilizes the systolic and diastolic flow differences to help generate arterial signal contrast. A subtraction of the systolic phase from the diastolic phase images results in arterial only images, with venous and background suppression.

Inhance 2D Inflow: The Inhance 2D Inflow pulse sequence is designed to acquire angiography images of arteries, which follow almost a straight path, i.e. femoral, popliteal, carotid arteries, etc.

<u>List Price</u>	<u>Discount</u>	<u>Extended Price</u>	<u>Net Price</u>
\$120,640.00	64.65%	\$120,640.00	\$42,651.01

LINE	QTY	DESCRIPTION	UNIT PRICE	AMOUNT
14	1.00	S7526AZ Breast Package 1.5T - Artist		

The Breast Package includes the following:

- VIBRANT
- IDEAL and Flex
- 1.5T 8-ch Breast Array

VIBRANT (Volume Imaged BREast Assessment) is a fast, high resolution T1 weighted imaging sequence and application optimized for evaluation of breast tissue. VIBRANT uses GE exclusive technology and parallel imaging acceleration to quickly acquire multi-phase data without compromising spatial resolution. This 3D gradient echo technique, optimized for sagittal or axial acquisitions, uses an optimized inversion pulse and dual-shimming technology that yields enhanced image contrast and robust, uniform, bilateral fat suppression. Auto subtraction of the first dataset is also available to further background suppression. For enhanced speed, VIBRANT is compatible with both ASSET and ARC parallel imaging with acceleration factors up to four. As a result, VIBRANT enables reliable, high quality breast imaging.



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For improved tissue contrast, VIBRANT is compatible with Flex imaging. VIBRANT Flex acquisition will provide a water-only, fat-only, in-phase and out of phase data sets in a single acquisition and produce images with significantly reduced chemical shift and susceptibility artifacts. This is critical for evaluation of the axilla and chest wall.

IDEAL and Flex: Generate consistent tissue contrast and reduce the number of series in an exam with DEAL. The IDEAL acquisition and reconstruction methods can generate a water-only, fat-only, in-phase and out-of-phase data sets for clear tissue differentiation in a single series. In addition, susceptibility artifacts common to MR imaging such as incomplete or inaccurate fat saturation, and chemical shift can be eliminated as well. The IDEAL application acquires multiple echoes and uses unique reconstruction routines to generate the four image contrasts and correct for errors due to tissue susceptibility.

IDEAL is ideally suited for imaging anatomical regions such as the brachial plexus, neck, spine, chest, foot, ankle, and axilla where inhomogeneous magnetic fields may yield failures with traditional fat saturation techniques. IDEAL is compatible with Fast Spin Echo, 3D Gradient Echo and parallel imaging.

For fast T1w multi-phase imaging of the abdomen and pelvis, LAVA Flex acquisition uses 2D ARC parallel imaging to reduce artifacts from breath hold misregistration and incorrect FOV placement while providing up to four types of T1w-based tissue contrasts: water-only, fat-only, in-phase and out-of-phase. LAVA Flex requires LAVA which is included in ScanTools.

For fast T1w multi-phase imaging of the breast, VIBRANT Flex acquisition uses 2D ARC parallel imaging to enable higher acceleration factors over ASSET parallel imaging, and reduce artifacts from breath hold misregistration and eliminates artifacts due to incorrect FOV placement, while providing up to four types of T1w-based tissue contrasts: water-only, fat-only, in-phase and out-of-phase. VIBRANT Flex requires VIBRANT, which must be purchased separately.

The IDEAL method is compatible with ASSET and ARC parallel imaging and is optimized based on the anatomy of interest.

The 1.5T 8-Channel Breast Array is designed for high definition MR imaging of the breast. The 8-element quadrature phased array coil is optimized for use with ASSET and VIBRANT for up to 3X acceleration enabling high temporal and high spatial resolution imaging of the breast. The array is also compatible with Fast Spin Echo, Fast Gradient Echo, and Diffusion imaging sequences, and includes lateral and medial biopsy access.

<u>List Price</u>	<u>Discount</u>	<u>Extended Price</u>	<u>Net Price</u>
\$175,000.00	64.65%	\$175,000.00	\$61,869.44

Line	Qty	Part No	Description
15	1.00	M7001SE	FOCUS

FOCUS delivers a highly efficient method for increasing the resolution in Single Shot DW EPI sequences. The outcome delivers robust high resolution results while removing artifacts typically induced from motion, image backfolding or unsuppressed tissue. In addition, with the higher efficiency of the application, the reduced field of view imaging leads to a reduction in blurring that translates into an overall improvement to the image quality result. The sequence utilizes 2D selective excitation pulses in DW-EPI acquisitions to limit the prescribed phase encoded field of view at both 1.5T and 3.0T field strengths.

<u>List Price</u>	<u>Discount</u>	<u>Extended Price</u>	<u>Net Price</u>
\$30,000.00	64.65%	\$30,000.00	\$10,606.23

Line	Qty	Part No	Description
16	1.00	M7006AE	MAGIC DWI



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MAGiC Diffusion (DWI) provides the ability to acquire lower b-value diffusion data and extrapolate to higher b-value results leading to inherent high signal to noise gains in addition to scan time reduction through the computed b-value principle.

<u>List Price</u>	<u>Discount</u>	<u>Extended Price</u>	<u>Net Price</u>
\$40,000.00	64.65%	\$40,000.00	\$14,141.63

Line	Qty	Catalog	Description
17	1.00	M7006AF	HyperSense

HyperSense provides a scan time reduction technique while maintaining SNR through an innovative data compression algorithm for 3D based Cube and ToF sequences

<u>List Price</u>	<u>Discount</u>	<u>Extended Price</u>	<u>Net Price</u>
\$75,000.00	64.65%	\$75,000.00	\$26,515.49

Line	Qty	Catalog	Description
18	1.00	M7006AG	HyperCube

HyperCube delivers reduced field of view imaging for 3D Cube acquisitions by selectively acquiring/reconstructing fewer k-space lines which leads to scan time reduction and artifact control through a selective excitation approach.

<u>List Price</u>	<u>Discount</u>	<u>Extended Price</u>	<u>Net Price</u>
\$45,000.00	64.65%	\$45,000.00	\$15,909.27

Line	Qty	Catalog	Description
19	1.00	M3340AG	SWAN - T2 Star-Weighted Angiography

SWAN (also known as SWAN 2.0 for DV platforms) is a high-resolution 3D multi-echo gradient echo sequence that produces weighted averaging across images with different TEs to achieve higher susceptibility weighting. It provides minimum intensity projections over neighboring slices, enhancing contrast for certain tissues containing iron, venous blood, and other substances with susceptibilities that are different than the background tissues. SWAN 2.0 (DV platforms only), outputs an unwrapped phase image leading to increased delineation between calcium products and paramagnetic products (such as blood or iron) to further increase the clinical value of susceptibility imaging. Due to the nature of the weighted averaging of the multi-echo sequence, the SNR of SWAN is higher than that of a single-echo acquisition. SWAN 2.0 helps visualize and delineate small vessels, as well as large vascular structures and iron or calcium deposits in the brain.

<u>List Price</u>	<u>Discount</u>	<u>Extended Price</u>	<u>Net Price</u>
\$35,000.00	64.65%	\$35,000.00	\$12,373.86

Line	Qty	Catalog	Description
20	1.00	S7526CV	1.5T MSK Coil Package

The 1.5T MSK Coil Package contains the following:

- 1.5T 16-Channel Shoulder Array
- 1.5T 16-Channel T/R Hand-Wrist Coil
- 1.5T 16-Channel T/R Knee Array
- 1.5T 8-Channel TDI Foot/Ankle Array



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The 16-Channel Shoulder Array is a rigid shell with anterior adaptable paddle which delivers 16 channel performance optimized for high resolution shoulder imaging with lateral coverage to ensure large field of view imaging.

The 16-Channel T/R Hand Wrist Coil is a transmit and receive MRI RF coil intended for obtaining diagnostic images of patient hand and wrist anatomies. The coil consists of two saddle coils driven in quadrature capable of both transmitting and receiving, along with an array of sixteen surface receive elements. The transmit coil consists of two orthogonal saddles, which is a volume transmit coil for transmitting RF magnetic field into human tissue during transmit phase, and can function as a receive coil for receiving MRI signal from human tissue during receive phase. The device includes two rigid, plastic bases which the coil can be attached to and removed as desired. One positions the coil for horizontal wrist imaging, and one positions the coil for vertical wrist imaging. In the horizontal position, position of the coil can be adjusted along the base to accommodate imaging of either the left or right hand. Foam pads are also provided as accessories to aid in patient immobilization, anatomy positioning, and to enhance patient comfort.

The 16-Channel Knee Array is a transmit/receive coil that produces high resolution images of the knee and is optimized for parallel imaging in all three directions to reduce acquisition times.

The 8-Channel Foot/Ankle Array produces high-resolution images of the foot and ankle by incorporating an 8-channel phased array design in a unique "ski" boot design. The unique coil design has excellent distal coverage and supports multiple foot positions for optimizing studies. Parallel imaging is supported to reduce acquisition times.

<u>List Price</u>	<u>Discount</u>	<u>Extended Price</u>	<u>Net Price</u>
\$240,000.00	64.65%	\$240,000.00	\$84,849.39

Line	Qty	Catalog	Description
21	1.00	S7525ZS	1.5T MSK Flex Suite

The MSK Flex Suite includes the following:

- 1.5T 16 Channel Flex Suite - Premium (SM, MD, LG)
- Flex Array Positioner

The Flex Suite is a versatile set of high density 16-channel receive coils designed to give high quality images in a wide range of applications. The high degree of flexibility is particularly advantageous when imaging patients that do not fit the constraints of rigid coils, improving the patient and technologist experience. The size and shape of the elements in each flex coil have been optimized for high SNR and parallel imaging for the volume embraced by the coil.

This extended set includes all three sizes of coils; Small, Medium, and Large, and a knee stabilization fixture. They cover a broad range of musculoskeletal applications, including hand, wrist, elbow, shoulder, hip (unilateral and bilateral), knee, ankle, and foot. In addition, the coils' versatility has been shown in a range of general purpose applications that include head, neck, and spine exams.

The Flex Array Positioner is a multipurpose support for a broad range of exams including foot, ankle, forefoot, knee, and head. A dedicated forefoot attachment allows the flex array elements to be wrapped tightly around the foot, yielding improved image quality. A repositionable support pad in the foot and ankle attachment allows for selection of a 90 degree position, or a relaxed position of the ankle. The pads and straps included with the stabilizer facilitate rapid setup and allow for flexibility in how the anatomy is secured.

<u>List Price</u>	<u>Discount</u>	<u>Extended Price</u>	<u>Net Price</u>
\$185,000.00	64.65%	\$185,000.00	\$65,404.85

Line	Qty	Catalog	Description
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22 1.00 E8823NA MRI Audio 1505 Complete music system for Premium MRI systems

MRI Audio 1505 Complete music system for Premium MRI systems.

The MRI Audio premium sound system is designed for comfort and allows the patient to listen to music while being scanned in an MRI. The technologist is in full control of the system headphones, microphone, sound source and volume controls. Standard 3.5 mm plug for music source allows any compatible music player, tablet or phone. In-ear headphones work with any head coil.

Package includes:

- Digital amplifier
- iPad Mini
- iPad Mini mount with lock
- 3G transducer
- In-ear headphones, 29dB noise reduction
- Over-ear headphones, 29dB noise reduction
- Disposable ear tips (300 pairs)
- Technologist's speakers
- 6 ft RCA 3.5 mm cable
- Auto-voice/MIC adapter

<u>List Price</u>	<u>Discount</u>	<u>Extended Price</u>	<u>Net Price</u>
\$12,900.00	21.00%	\$12,900.00	\$10,191.00

23 1.00 E8823NB MRI Audio In-ear Headphone (29dB NRR)

Headphones specifically designed to fit into head coils as well as any other MRI exam. Easy to use design with 29dB-noise reduction rating (NRR) to provide clear, consistent sound quality when paired with the MRI Audio music system.

<u>List Price</u>	<u>Discount</u>	<u>Extended Price</u>	<u>Net Price</u>
\$190.00	21.00%	\$190.00	\$150.10

24 1.00 E8823ND MRI Audio Ear plugs – 500 pairs per bag

Replacement ear plugs compatible with MRI Audio in-ear headphone (E8823NB). Comprised of a flexible inner tube and surrounded by soft, comfortable foam. These ear plugs are rated at 29dB NRR when used in conjunction with in-ear headphone. 500 pairs per bag, 1000 total pieces.

<u>List Price</u>	<u>Discount</u>	<u>Extended Price</u>	<u>Net Price</u>
\$1,090.00	21.00%	\$1,090.00	\$861.10

25 1.00 E8823NE MRI Audio Over-ear headphone (29dB NRR)

Premium over ear headphone with a one size fits all adjustable headband. Works for all MRI procedures except head coil exams. Rigorously tested to a 29dB noise reduction rating (NRR) and provides excellent sound quality when paired with the MRI Audio music system.

<u>List Price</u>	<u>Discount</u>	<u>Extended Price</u>	<u>Net Price</u>
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\$590.00 21.00% \$590.00 \$466.10

Line	Qty	Catalog	
26	1.00	E8911CG	Manual Cryogen Compressor Water Bypass

GE MR Heat Exchanger Manual Cryogen Compressor Water Bypass Option

Add a level of magnet protection with a Manual Cryogen Compressor Bypass. In case of a power failure, you can cycle municipal or facility water through the cryogen compressor and reduce cryogen loss and reduce the likelihood of quenching.

FEATURES AND BENEFITS

- Easy to install and simple to use
- Helps switch over water supply to your cryogen compressor in the event of loss of power to reduce cryogen loss
- Includes fluid supply pressure gauge, temperature gauge and flow rate meter for easy verification of operation
- Manual operation reduces unintentional switch-overs and coolant dumping during brown-outs and supply power glitches

COMPATIBILITY

Must be used with a GE MR Heat Exchanger:

- E8911CA
- E8911CB
- E8911CC
- E8911CD
- E8912CA
- E8912CB
- E8912CC
- E8912CD

NOTES:

- Item is NON-RETURNABLE and NON-REFUNDABLE

List Price	Discount	Extended Price	Net Price
\$6,250.00	21.00%	\$6,250.00	\$4,937.50

Line	Qty	Catalog	
27	1.00	E8912CC	Dimplex MR Heat Exchanger for MR450w - Extreme Cold Ambient

GE Optima MR450 Heat Exchangers - 49kW (20Tons)

Cooling for your GE Healthcare MR system has never been so easy. GE Healthcare has partnered with the Glen Dimplex Group, a world leader in cooling systems, to offer heat exchangers designed to meet the needs of your MR System. Now you can look to GE Healthcare for your entire MR purchase and support.

This heat exchanger is highly reliable and the only unit verified to perform with the new platform of GE Healthcare MR systems. As part of your integrated GE Healthcare solution, you'll work with a single contact throughout the whole installation. A Project Manager of Installation will help with building layout, room designs, delivery and installation - every step until your system is ready to scan. Our team will work seamlessly with architects, contractors and your internal team to help ensure timely, cost-effective completion.

Once your cooling system is running, you'll get fast, highly-skilled service support managed through GE Healthcare - with the same



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quality and response time you expect from your MR system.

FEATURES AND BENEFITS

- Designed to provide stable fully dedicated cooling for your MR system's needs
- Water/glycol outdoor-air-cooled heat exchangers to support your highest exam volumes and your full range of diagnostic procedures
- Redundant fluid pumps with automatic switchover let you keep operating with no loss of cooling even if one pump goes down
- Quad compressor, dual tandem refrigeration circuit design saves on energy while your system smoothly transitions through the 10% to 100% heat load capacity cycles of patient scanning and idling
- Quiet operation between patient exams and overnight - ideal for facilities in residential areas
- Comes with installation support, installation visits, preventative maintenance visit and 1 full year of parts and labor warranty
- Installation support includes: support through GE's Project Manager of Install, GE's Design Center, technical support from the Glen Dimplex company, two (2) installation visits
- Comprehensive and quality service rapidly delivered through our CARES service solution
- 65 gallons of 100% glycol concentrate for complete system filling and diluting
- Wall mounted remote display panel provides the ability to monitor the system's operation and indicates possible system errors
- Filter kit with flow meter helps to ensure purity of water prior to entry to the MR system
- Highly recommended that Vibration Isolation Spring Kit (E8911CJ) be added for systems that will be roof top mounted

SPECIFICATIONS

- Net Cooling Capacity: 49 kW / 20 Ton
- Maximum Coolant Flow: 35 gpm (132 l/m)
- Coolant Outlet Temperature: 48 F (8.9 C)
- Coolant Temp Stability: E 1.8 F (E1.0 C)
- Max Coolant Pressure : 70 Psi (4.8 Bar)
- Refrigerant: R407C
- Ambient Temp Range: -40 to 105 F (-40 to 40 C)
- Condenser Air Flow (Approx): 18,000 Cfm
- Tank Capacity: 100 gal (378 l)
- Flow Meter Range: 4-40 gpm
- Filters: 50 micron cartridge filters
- Supply Voltage: 460v / 3 phase / 60 Hz
- Coolant Connections: 2" NPTF
- Overall Size (L x W x H) 44" x 136" x 84.5"

COMPATIBILITY:

- GE MR450w MR System

NOTES:

- Item is NON-RETURNABLE and NON-REFUNDABLE

<u>List Price</u>	<u>Discount</u>	<u>Extended Price</u>	<u>Net Price</u>
\$58,438.00	21.00%	\$58,438.00	\$46,166.02

28	1.00	E8819TD	Expression MR200 Patient Monitor Basic + CO2 and respiration
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Expression MRI Patient Vital Signs Monitor (Model MR200): 12.1" monitor, 2nd generation wireless ECG, Wireless Pulse Oximetry (SpO2), Non-Invasive Blood Pressure (NIBP), Integrated End-Tidal CO2, Advanced ECG Filters, Trend Arrows
 All parameters support Adult, Pediatric, Infant and Neonatal applications, 8-Hour Smart Battery Technology, Gauss Detection



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Alarm, One (1) day on-site Expression system training, One (1) year limited warranty and factory service for hardware. Feature set includes non-invasive blood pressure, wireless ECG, wireless SpO2, low-flow CO2, and respiration monitoring. Includes all standard accessories: hardware accessories, and reusable and disposable accessories for Adult and Pediatric patients.

<u>List Price</u>	<u>Discount</u>	<u>Extended Price</u>	<u>Net Price</u>
\$68,625.00	21.00%	\$68,625.00	\$54,213.75

29	1.00	E8819TE	Wireless IP5 control room display with antenna
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Expression Information Portal is a non-MRI remote display and controller for wireless Philips and Invivo MRI Patient Monitoring systems. It can be used from the control room, induction, or recovery areas, for providing clinicians an enhanced monitoring, case management and connectivity experience.

Key Features and Benefits:

Wireless communication with MRI Patient Monitoring Systems, Advance software design, with Adobe® AIR® for a rich, robust, touch user interface experience, Case Management for clinical ease of use and efficiency, Ultimate MRI Patient Monitor connectivity experience for electronic patient-record keeping, including HL7 data output.

The Expression IP5 consists of the following components: Touch-screen display, Radio module, control room flex antenna, and line cord.

<u>List Price</u>	<u>Discount</u>	<u>Extended Price</u>	<u>Net Price</u>
\$16,125.00	21.00%	\$16,125.00	\$12,738.75

30	1.00	E88221XE	Medrad MRXperion injector on pedestal mount with penetration panel filter kit
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The Medrad® MRXperion™ MR Injection System is a smart performer in the MR suite, delivering contrast fluid and data management.

Streamlined Injection Workflow

- Less time preparing for the injection and more time to focus on the patient and optimize procedure management.

Convenience at Point of Care

- On-board eGFR and Weight Based Dosing
- Calculators, an Injection Pressure Graph,
- Independent Test Inject and KVO functions.

Real-time Support

- Connect to VirtualCare® Remote Support* for
- advanced injector system diagnostics, seamless

Improved Efficiencies

- Snap-on/Twist-off Syringe Design
- Auto plunger advance and retract when attaching and detaching syringes
- Automatic filling and priming
- Injection/post-injection reminders
- Injection pressure graph

Reproducible Quality



- Proven track record of design and performance
- On-site field service and VirtualCare® Remote Support* for advanced injection system diagnostics and real-time support

Personalized Care

- Patient-Centric workflow design
- Protocol storage/retrieval
- On-board eGFR and Weight Based Dosing Calculators
- Injection enabled when head is tilted down

The MRXperion™ Injector package with penetration panel filter kit includes:

- Dual injector head on pedestal with integral double hook IV pole
- Scan room unit power supply with 40 ft. (12 m) DC cable
- Scan room fiber optic cable – 40 ft. (12 m)
- Control room fiber optic cable - 150 ft. (45 m)
- Fiber optic quick disconnect panel
- Fiber optic penetration panel kit
- Control room unit (display and pod) with hand-switch
- Display and pod power supplies
- CAT5 cable (display to pod) - 1 ft. (0.3m)
- CAT5 cable (pod to hospital network) - 25 ft. (7.6m)
- Power cords - North America and Japan (3 each), 10 ft. (3 m)
- Power cords – International (3 each), 10 ft. (3 m)
- Operators manual (English)
- Multi-lingual Operators manual CD
- Quick guides (English) for injector and hanger
- Installation manual (English)
- Service manual and schematics manual CDs (English)
- Warranty packet
- Installation, customer's operational training at time of installation, and one year full on-site warranty in Bayer service countries
- LAN port for VirtualCare Remote Service
- Penetration panel filter kit: filter assembly, mounting/centering ring, mounting screws, conductive O-ring (pre-installed on the filter), power supply cable - 10 ft. (3 m), installation instructions

The penetration panel filter kit is intended to be used for an alternate installation of the power supply of the MEDRAD® MRXperion™ Injection System outside of a MR scan room.

System Specifications

System Capabilities

- Syringe Capacities:
- Syringe A: 65ml
- Syringe B: 115ml
- Programmable volume range (ml):
- Syringe A: 0.5 ml to max syringe volume in 0.1 ml increments from 0.5 ml to 31 ml, 1ml increments above 31 ml
- Syringe B: 1 ml to max syringe volume in 1 ml increments
- Programmable flow rate range (ml/sec)
- 0.01 to 10 ml/s in 0.01 ml/s increments between 0.01 and 3.1 ml/s
- 0.1 ml/s increments between 3.1 and 10 ml/s
- KVO (Keep Vein Open): 6 factory presets of 0.25 ml every 15, 20, 30, 45, 60 or 75 sec
- Test Inject: configurable from 0.5 ml to 20 ml in 0.1 ml increments
- Pressure range (psi): 6 factory presets from 100 to 325 PSI (690 to 2240 kPa)
- Injection / Post Injection Reminders: up to 5 settings of 1 sec to 20 minutes in 1 sec increments



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- Injection protocol storage: 60 protocols up to 6 phases each
- Injection Hold / Pause: up to 20 minutes in 1 sec increments
- eGFR Calculator
- For adults: MDRD, Cockcroft-Gault, Modified Cockcroft-Gault and CKD-EPI methods
- For children: Bedside Schwartz method
- Weight Based Dosing Calculator: user Configurable
- Remote Service Capability: with optional VirtualCare Remote Support

Dimensions and Weight

Control Room Unit

- 15.58" (39.58 cm) W
- 12.71" (32.28 cm) H
- 10.23" (25.98 cm) D
- 17.6 lbs (8.0 kg)
- Scan Room Unit
- 23.30" (59.0 cm) W
- 71.40" (181.0 cm) H
- 23.30" (59.0 cm) D
- 95.7 lbs (43.4 kg)
- Power Supply

- 7.60" (19.0 cm) W
- 3.40" (9.0 cm) H
- 15.40" (39.0 cm) D
- 5 lbs (2.3 kg)

Electrical

- Voltage Requirements
- 100-240 VAC
- 50/60 Hz
- 120VA - 210VA

<u>List Price</u>	<u>Discount</u>	<u>Extended Price</u>	<u>Net Price</u>
\$66,846.00	21.00%	\$66,846.00	\$52,808.34

Line	Qty	Description	Item Description
31	1.00	Services-CE-Americas-Launch-MR-Apps	Launch MR Applications Training

<u>List Price</u>	<u>Discount</u>	<u>Extended Price</u>	<u>Net Price</u>
\$0.00	0.00%	\$0.00	\$0.00

Line	Qty	Description	Item Description
32	1.00	W0301MR	TIP MR 1.5T Training Program

This training program is designed for customers purchasing a GEHC 1.5T MR system. 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



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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 12 days)

Virtual Inclusions may include:

Remote instructor-led training: Instructor leads a remote training session one-on-one or in a group, typically for 1 hour

Answerline Support-Access to GEHC experts for clinical, non-emergency applications assistance via phone or by using the iLink button on the imaging console

Tip Virtual Assist-Direct interactive access to a GEHC expert for enhanced support.

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 15 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.

List Price	Discount	Extended Price	Net Price
\$105,410.00	64.65%	\$105,410.00	\$37,266.63

Line	Qty	Catalog	Description
33	1.00	W0012MR	TIP Applications Onsite MR Training 2 Days per year over 3 years

TIP Applications Onsite MR Training 2 Days per year over 3 Years

Two consecutive days of TIP Applications Onsite MR training presented during the 2nd, 3rd, and 4th year after system purchase.

Onsite training provided from 8AM to 5PM, Monday through Friday. Includes T&L expenses.

List Price	Discount	Extended Price	Net Price
\$10,800.00	0.00%	\$10,800.00	\$10,800.00

Line	Qty	Catalog	Description
34	3.00	W1021HC	GE MRI 1.5—Full Service

The GE Healthcare MRI 1.5T training program is designed to provide the attendee with the knowledge to operate the 1.5T MRI systems and to successfully use the new applications. The course will prepare the MRI Technologist for onsite applications training. It may also enhance the learning experience for those attending after their onsite applications training. The class is designed to provide a framework for participants to teach other Technologists at their facility.

This lecture and hands-on session is conducted on a live scanner, with additional demonstration consoles located at the GE Healthcare Institute near Milwaukee, Wisconsin. Participants will have the opportunity to discuss scanning parameter and protocol selections, image display functions, archiving, networking and practice job-related activities. Participants who meet attendance requirements are eligible for ASRT Continuing Education credits.

This course is designed for Technologists with an MRI background. This course will also benefit MRI Technologists who are new to



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your facility or Technologists who are cross training into MRI.

Classes are delivered in the Milwaukee, WI area and include travel and modest living expenses. This training program must be scheduled and completed within 12 months after the date of product delivery.

<u>List Price</u>	<u>Discount</u>	<u>Extended Price</u>	<u>Net Price</u>
\$5,800.00	0.00%	\$17,400.00	\$17,400.00

Line	Qty	Catalog	Description
35	1.00	Y0000NH	SIGNA™ Artist AIR Everywhere Promo

In the event an order is placed on or before March 31, 2019, any SIGNA Artist order will replace quantity one Catalog M7001NB 1.5T Anterior Array for quantity one Catalog M7006NB 1.5T AIR Anterior Array when available to be shipped at no additional cost. AIR Everywhere Promo is limited to quantity one conversion of M7001NB to M7006NB per configuration.

<u>List Price</u>	<u>Discount</u>	<u>Extended Price</u>	<u>Net Price</u>
\$0.00	0.00%	\$0.00	\$0.00

Line	Qty	Catalog	Description
36	1.00	NI_MR_PURC_SUPPLY	Hardware and software items sourced directly from 3rd parties Comments

Kentucky Trailer - 60 ft. x 12 ft. wide Transportable Unit - as described in quote #[TB-18-1293-R4 \$550,000

<u>List Price</u>	<u>Discount</u>	<u>Extended Price</u>	<u>Net Price</u>
\$550,000.00	0.00%	\$550,000.00	\$550,000.00

Total Quote List Price: \$4,735,304.00
Total Quote Discount: 54.62%
Total Quote Subtotal: \$2,148,746.00

Qty	Credits and Adjustments	Amount
1.00	Signa HDxt Trade-in	-150,000.00
1.00	MR - IDEAL & Flex -\$31,500 Duplicate Item Deduction	-31,500.00

Total Quote Net Selling Price: \$1,967,246.00

Trade-in Addendum to GE Healthcare Quotation

This Trade-In Addendum ("Addendum"), effective on **March 8, 2019**, between the GE Healthcare business identified on the Quotation ("GE Healthcare"), and **Northern Hospital of Surry County** ("Customer"), is made a part of Quotation # **2001757438.19** ^ ("Quotation") and modifies it as follows:

A. Customer: (i) certifies that it has full legal title to the equipment and/or mobile vehicle listed in Section E ("Trade-In Equipment"), free and clear of all liens and encumbrances; and (ii) conveys title and, if applicable, registration and license documents to GE Healthcare effective on the date of removal or receipt of the Trade-In Equipment. If GE Healthcare removes the Trade-In Equipment, it will do so at its expense at a mutually agreed time.

B. Customer is responsible for: (i) providing timely, unrestricted access to the Trade-In Equipment in a manner that affords GE Healthcare the ability to complete Equipment inspection and testing prior to de-installation within the timeframe required by GE Healthcare, failure of which to provide may result in termination of this Trade-in Addendum and related credits and/or payments; (ii) ensuring that the Trade-In Equipment and the site where it is located are clean and free of bodily fluids; (iii) informing GE Healthcare of site-related safety risks; (iv) properly managing, transporting and disposing of hazardous materials located on site in accordance with applicable legal requirements; (v) rigging, construction, demolition or facility reconditioning expenses, unless stated otherwise in the Quotation; and (vi) risk of loss and damage to the Trade-In Equipment until safety risks are remediated and the Trade-In Equipment is removed or returned.

C. Prior to removal or return to GE Healthcare, Customer must: (i) remove all Protected Health Information as such term is defined in 45 C.F.R. § 160.103 ("PHI") from the Trade-In Equipment; and (ii) indemnify GE Healthcare for any loss resulting from PHI not removed. GE Healthcare has no obligation in connection with PHI not properly removed.

D. GE Healthcare may reduce the trade-in amount or decline to purchase the Trade-In Equipment if: (i) the terms of this Addendum are not met; or (ii) it is missing components or is inoperable when removed or returned. All other terms and conditions of the Quotation remain in full force and effect.

E. Trade-In Equipment:

<u>Equipment/Vehicle Mfr</u>	<u>Model & Description</u>	<u>Quantity</u>	<u>* ID / Serial #</u>	<u>Trade-In Amount</u>
GENERAL ELECTRIC	Signa HDxt Trade-in	1.00	336719MRI	\$ -150,000.00

This Addendum is executed when: (i) signed by the parties below; (ii) Customer receives this Addendum and signs the Quotation that references the Trade-In Equipment; or (iii) Customer receives this Addendum and issues a purchase order identifying either the terms of the Quotation (which includes a reference to the Trade-In Equipment) or the Governing Agreement identified on the Quotation as governing the order (PO#).

Northern Hospital of Surry County

Signature: _____
 Print Name: _____
 Title: _____
 Date: _____

GE Healthcare

Signature: _____
 Print Name: _____
 Title: _____
 Date: _____

^ A Quotation number must be provided on this document.

* In the event the Trade-In Equipment does not have a System ID, please record the serial number of each component that comprises the Trade-In Equipment.

† If you are relying upon the purchase order to reflect acceptance of the terms contained herein, please update this document with the applicable PO number upon receipt of the PO. Failure to do so may result in delays surrounding deinstallation of the System(s).

GPO Agreement Reference Information

Customer:	Northern Hospital of Surry County
Contract Number:	HPG #500043
Billing Terms:	80% delivery or Shipment / 20% Acceptance or Installation
Payment Terms:	NET 30
Shipping Terms	

Offer subject to the Terms and Conditions of the applicable Group Purchasing Agreements currently in effect between GE Healthcare and HPG #500043.

NOTICE REGARDING MAGNETIC RESONANCE ("MR") PRODUCTS. This notice applies only to the following GE Healthcare products: MR Discovery MR750, Discovery MR750w, Discovery MR450 and Optima MR450w. GE Healthcare has reclassified several advanced software tools and associated documentation to a GE Healthcare Technical Service Technology package that GE Healthcare feels will bring greater value and interest to our customers. GE Healthcare will continue to provide trained Customer employees with access to the GE Healthcare Technical Service Technology package under a separate agreement. GE Healthcare will continue to provide customers and their third party service providers with access to software tools and associated documentation in order to perform basic service on the CT, MR and NM products listed above upon a request for registration for such access. This will allow GE Healthcare to react faster to the future service needs of GE Healthcare customers. If you have any questions, you can contact your Sales Service Specialist.



1. Warranty.

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

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

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

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

1.5. **Accessories and Supplies.** Warranties for accessories and supplies are at www.gehealthcare.com/accessories.

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

2. Remedies. If Customer promptly notifies GE Healthcare of its claim during the warranty and makes the Product available, GE Healthcare will: (i) at its option, repair, adjust or replace the non-conforming Equipment or components; (ii) at its option, correct the non-conformity or replace the Software; and/or (iii) re-perform non-conforming Service. Warranty service will be performed from 8am to 5pm local time, Monday-

Friday, excluding GE Healthcare holidays, and outside those hours at GE Healthcare's then-current service rates and subject to personnel availability. GE Healthcare may require warranty repairs to be performed via a secure, remote connection or at an authorized service center. If GE Healthcare replaces Equipment or a component, the original becomes GE Healthcare property and Customer will return the original to GE Healthcare within 5 days after the replacement is provided to Customer. Customer cannot stockpile replacement parts. Prior to returning Equipment to GE Healthcare, Customer will: (a) obtain a return to manufacturer authorization; and (b) back up and remove all information stored on the Equipment (stored data may be removed during repair). Customer is responsible for damage during shipment to GE Healthcare. The warranty for a Product or component provided to correct a warranty failure is the unexpired term of the warranty for the repaired or replaced Product.

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

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

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

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

4. Exceptions to Standard Warranty.

DoseWatch Explore: DOSEWATCH EXPLORE SOFTWARE, SERVICES AND INFORMATION IS PROVIDED "AS IS" WITH NO WARRANTY

Partial System Equipment Upgrades for CT, MR, X-Ray, PET (Scanners, Cyclotrons and Chemistry Labs) and Nuclear systems: 6 months (only applies to the upgraded components), except Optima XR240amx partial upgrades, which are warranted for 1 year

Cyclotron and Radiopharmacy: Warranty starts on the earlier of (i) 3 months after the date GE Healthcare completes mechanical installation, or (ii) the date Product testing is successfully completed

MR Systems: Warranty does not cover: (i) a defect or deficiency from failure of water chillers supplied or serviced by Customer, and (ii) for MR systems with LHe/LN or shield cooler configured superconducting magnets (except for MR Systems with LCC magnets), any cryogen supply, cryogenic service or service to the magnet, cryostat, coldhead, shield cooler compressor or shim coils unless the need for supply or service is caused by a defect in material or workmanship covered by this warranty.

Proteus XR/a, Definium and Precision 500D X-Ray Systems: Warranty does not cover collimator bulbs **MX150 Vascular and Performix 160A (MX160) Tubes:** 3 years

X-Ray High Voltage Rectifiers and TV Camera Pick-Up Tubes: 6 months

X-Ray Wireless Digital Detectors: In addition to the standard warranty, GE Healthcare will provide coverage for detector damage due to accidental dropping or mishandling. If accidental damage occurs, GE Healthcare will provide Customer with 1 replacement detector during warranty at no additional charge. If subsequent accidental damage occurs during warranty, each additional replacement will be provided for \$30,000 per replacement. This additional coverage excludes damage caused by any use that does not conform to original equipment manufacturer ("OEM") guidelines, use that causes fluid invasion, holes, deep scratches or the detector case to crack, and damage caused by abuse, theft, loss, fire, power failures or surges. If the warranty is voided by these conditions, repair or replacement is Customer's responsibility. **Optima X-Ray 240amx:** 2 years (excluding detectors, which are standard)

Bone Mineral Densitometry: Alpha Source, Inc. will perform installation, application support and warranty services. Direct warranty claims to Alpha Source, Inc. at 1-800-654-9845. Upgraded computer, printer and monitor components include a 1 month warranty. Customer will not be credited the value of this warranty against pre-existing warranties or service agreements.

GE OEC New or Exchange Service/Maintenance Parts: 3 months **GE OEC**

Refurbished C-Arms: 1 year after installation

HealthNet Lan, Advantage Review — Remote Products: 3 months

LOGIQ e, Venue 50, LOGIQ V1, LOGIQ V2, Vivid iq, Vscan and Vscan Extend and related transducers and peripherals purchased with them:

3 years (5 years for LOGIQ e and Venue 50), except the following have a 1 year warranty: Transducers:

TEE probes, including 6TC-RS, 6VT-D and 9T-D

Carts: Venue 50 Docking Cart, LOGIQ e Isolation Cart, LOGIQ e Docking Cart, and LOGIQ V1/V2 Cart

Other Accessories: Batteries (internal & external), TEE cleaning & storage system, ICECord Connector and printers

Warranty covers defective parts and components and includes: (i) repair at GE Healthcare facilities, (ii) a loaner unit or probe replacement shipped for next business day delivery for requests received by 3pm Central Time, (iii) phone support from 7am to 7pm Central Time, Monday-Friday, excluding GE Healthcare holidays. For an additional charge, GE Healthcare may provide field support/service, planned maintenance, and/or coverage for damage due to accidental dropping or mishandling.

LOGIQ P9 R2.5 and newer, LOGIQ F8 (2016 model and newer), LOGIQ V5 and Vivid T8 along with related transducers and peripherals purchased with them: 3 years (5 years for LOGIQ P9 R2.5 and newer), except the following have a 1 year warranty:

Other Accessories: Batteries (internal & external) and printers

Warranty covers defective parts and components and includes: (i) repair at Product location by a qualified service technician Monday-Friday 8am to 5pm local time, excluding GE Healthcare holidays, and (ii) phone support from 7am to 7pm Central Time, Monday-Friday, excluding GE Healthcare holidays. For an additional charge, GE Healthcare may provide planned maintenance and/or coverage for damage due to accidental dropping or mishandling.

Venue, along with related transducers purchased with it: 5 years, except the following have a 1 year warranty: Other Accessories:

Batteries (internal & external), peripherals and printers

Warranty covers defective parts and components and includes: (i) phone support and remote repair via InSite and telephone from 7am to 7pm Central Time, Monday-Friday, excluding GE Healthcare holidays. For an additional charge, GE Healthcare may provide field support/service, planned maintenance, and/or coverage for damage due to accidental damage.

Ultrasound Partial System Equipment Upgrades: 3 months (only applies to the upgraded components). Customer will not be credited the value of the warranty against pre-existing warranties or service agreements.

Batteries: 3 months, except for x-ray nickel cadmium or lead acid batteries and ultrasound batteries, which are warranted for 1 year **CARESCAPE Monitors**

B450, B650 and B850: 3 years parts, 1 year labor (excluding displays, which are standard)

B40 Monitors: 2 years parts, 1 year labor (excluding displays, which are standard)

B105 and B125 Patient Monitors: 3 years parts and labor coverage with: (i) repair services performed at GE Healthcare Repair Operations Center, (ii) phone support from 7am to 5pm Central Time, Monday-Friday, excluding GE Healthcare holidays; and (iii) a loaner Product (subject to availability; shipping charges included).

MAC 800, 1200, 1600, 2000 and 3500: 3 years **CARESCAPE V100 and**

VC150 Vital Signs Monitors: 2 years **CARESCAPE T14 Transmitter:** 2

years

SEER 1000: 2 years

Exergen: 4 years

Panda iRes Warmers, Giraffe Warmer and Giraffe Carestation OmniBed: 7 year parts warranty on heater cal rod **Microenvironment and Phototherapy consumable components:** 1 month

Corometrics Fetal Monitoring: Warranty includes: (i) warranty starting on the earlier of (a) if GE Healthcare or Customer installs, 5 days after installation or (b) 40 days after shipment; and (ii) 2 years parts, 1 year labor

Corometrics Nautilus Transducers: 2 years

Lullaby Phototherapy System: 3 years on lamp assembly

Blood pressure cuffs and related adaptors and air hoses: 1 month

Oximeters: 3 years from installation, or 39 months from date of GE Healthcare invoice, whichever occurs first

Anesthesia Monitor Mounting Solutions: If purchased directly from GE Healthcare, it will be warranted as a GE Healthcare Product

Tec 850 Vaporizers: 3 years **Tec 6**

Plus Vaporizers: 2 year

EXHIBIT 3



March 25, 2019

Martha Frisone, Chief
Healthcare Planning and Certificate of Need Section
2704 Mail Service Center
Raleigh, NC 27699-2704

RE: Regulatory Compliance for Replacement MRI Equipment

Dear Ms. Frisone:

Northern Hospital of Surry County intends to replace its existing fixed MRI scanner, GE Signa HDxt 1.5T, that was acquired in 2003. The replacement unit is a new GE Artist 1.5T unit that will be installed in a coach. The replacement fixed MRI scanner will be parked at the same location and will be used for the same diagnostic purposes as the existing MRI unit.

In accordance with 10A NCAC 14C.030 Replacement Equipment Administrative Rules, I agree that the replacement MRI equipment will not result in more than a 10 percent increase in charges to patients within the first twelve months after the equipment is acquired.

Thank you for your review and consideration. Please call me at 336 719-7101 if you have any questions.

Sincerely,

A handwritten signature in black ink, appearing to read "Chris A. Lumsden", is written over the word "Sincerely,". The signature is fluid and cursive, with a large loop at the end.

Chris A. Lumsden
President and CEO