



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

July 23, 2021

Lisa Griffin
llgriffin@novanthealth.org

Exempt from Review – Replacement Equipment

Record #: 3613
Facility Name: Novant Health Forsyth Medical Center
FID #: 923174
Business Name: Novant Health, Inc.
Business #: 1341
Project Description: Replace existing MRI
County: Forsyth

Dear Ms. Griffin:

The Healthcare Planning and Certificate of Need Section, Division of Health Service Regulation (Agency), determined that based on your letter of July 15, 2021, the above referenced proposal is exempt from certificate of need review in accordance with N.C. Gen. Stat. §131E-184(f). Therefore, you may proceed to acquire without a certificate of need the GE Premier 3.0T MRI scanner to replace the Siemens Avanto 1.5 T MRI scanner, Serial #400-152186. 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.

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
Celia C. Inman
Project Analyst

Lisa Pittman

Lisa Pittman
Assistant Chief, Certificate of Need

cc: Acute and Home Care Licensure and Certification, 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
https://info.ncdhhs.gov/dhsr/ • TEL: 919-855-3873

AN EQUAL OPPORTUNITY / AFFIRMATIVE ACTION EMPLOYER



July 15, 2021

2085 Frontis Plaza Boulevard
Winston-Salem, NC 27103

Via Email

Celia Inman, Project Analyst, Certificate of Need
N.C. Department of Health Service Regulation
809 Ruggles Drive
Raleigh, North Carolina 27603

Re: Novant Health Forsyth Medical Center
Replacement of MRI Scanner
Winston-Salem, North Carolina (FID # 923174; HSA II: Forsyth County)

Dear Ms. Inman:

Novant Health Forsyth Medical Center (“NH Forsyth”) intends to replace an existing MRI scanner located at the hospital in Winston-Salem, North Carolina pursuant to N.C. Gen. Stat. 131E-184(f). The existing MRI scanner is over fifteen years old and is past its useful life. It is located in the Radiology Department on the first floor of the hospital. NH Forsyth acquire a new GE Premier 3T MRI scanner to replace the existing 1.5T Siemens scanner. See **Attachment A** for the equipment quote which also includes an injector system. The existing MRI scanner will be traded in and will be removed by the vendor and not used within North Carolina without appropriate CON notice. See page 25 of the equipment quote for information regarding the removal and tread-in. The total capital cost for the proposed replacement equipment project is estimated to be \$3,201,991. See **Attachment B** for the signed Projected Capital Cost form.

NH Forsyth’s project meets the requirements set forth in N.C. Gen. Stat. 131E-184(f) for “replacement equipment” that exceeds two million (\$2,000,000) threshold in the following ways:

Main Campus:

The existing and replacement MRI scanner is and will be located in the Radiology Department at NH Forsyth, which is located at 3333 Silas Creek Parkway, Winston-Salem, North Carolina. At this location, NH Forsyth’s President and COO, Chad Setliff’s office is located in Administration on the Main Floor. This location provides clinical patient services and exercises financial and administrative control over the entire campus. See **Attachment C** for a campus map.

Previous Certificate of Need:

The existing MRI scanner’s Certificate of Need is approved Project ID #G-6962-03. It is one of 3 MRI scanners currently in use at NH Forsyth as reported on the most recent annual License Renewal Application (“LRA”) which is excerpted in **Attachment D**.

Re: NH Forsyth Replacement of MRI Scanner
July 15, 2021
Page 2

Replacement Equipment:

The proposed project meets the definition of “replacement equipment” found in G.S. 131E-176(22a) and 10A N.C.A.C 14C.0303 for the following reasons:

- (1) NH Forsyth will replace the existing MRI scanner equipment with the proposed equipment that is functionally similar and will be used for the same diagnostic purposes, although it possesses expanded capabilities due to technological improvements.
- (2) The proposed equipment will not be used to provide a new health service.
- (3) The acquisition of the proposed equipment will 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.

See **Attachment E** for the Equipment Comparison form of the existing and planned new equipment.

In support of our request, please find attached:

- Attachment A** – Vendor Equipment Quotes
- Attachment B** – Projected Capital Costs
- Attachment C** – Main Campus Map
- Attachment D** – Excerpt of 2021 LRA/In Use Documentation
- Attachment E** – Equipment Comparison Form

NH Forsyth’s acquisition of the replacement equipment does not require a certificate of need because none of the definitions of “new institutional health services” set forth in N.C.G.S. Section 131E-176(16) apply to the proposed project. As outlined above, the total cost for the project is \$3,201,991. The proposed capital cost includes equipment, as well as studies, surveys, designs, plans, working drawings, specifications, construction installation and other activities essential to making the equipment operational.

Based on the information provided, please confirm that NH Forsyth’s replacement equipment exemption request does not constitute a new institutional health service and is exempt from certificate of need review.

If you need additional information, please contact me.

Sincerely,



Lisa Griffin
Manager, Operational Planning
Novant Health, Inc.

Attachments

ATTACHMENT A



June 30, 2021
 Quote Number: **2003902184.15**
 Customer ID: **1-23HYCC**
 Agreement Expiration Date: **9/23/2021**

Novant Health Forsyth Medical Center
 3333 Silas Creek Pkwy
 Winston Salem, NC 27103-3013

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:	Novation Vizient Supply LLC
Terms of Delivery	FOB Destination
Billing Terms	80% delivery / 20% Installation
Payment Terms	NET 30
Total Quote Net Selling Price	\$2,192,064.33
Sales and Use Tax Exemption	No Certificate on File

IMPORTANT CUSTOMER ACTIONS:

Please select your planned source of funds. Source of funds is assumed to be cash unless you choose another option. Once equipment has been shipped, source of funds changes cannot be allowed.

- Cash
- GE HFS Loan GE HFS Lease
- Other Financing Loan Other Financing Lease Provide Finance Company Name _____

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

Novant Health Forsyth Medical Center

Signature: _____

Print Name: _____

Title: _____

Date: _____

Purchase Order Number, if applicable

GE Precision Healthcare LLC, a GE Healthcare business

Signature: Herb Klann

Title: Imaging Account Manager

Date: June 30, 2021



June 30, 2021
 Quote Number: 2003902184.15
 Customer ID: 1-23HYCC
 Agreement Expiration Date: 9/23/2021

To Accept This Quotation

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

Name: Herb Klann
Email herb.klann@ge.com
Phone: 724-504-8778
Fax:

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

Novant Health Forsyth Medical Center

Addresses:

Bill To: NOVANT HEALTH FORSYTH
 MEDICAL CENTER

NOVANT HEALTH FORSYTH, MEMORIAL HOSPITAL 3333 SILAS
 CREEK PKWY WINSTON-SALEM, NC, 27103-3013

Ship To: NOVANT HEALTH FORSYTH
 MEDICAL CENTER

MEMORIAL HOSPITAL 3333 SILAS CREEK PKWY WINSTON
 SALEM, NC, 27103-3013

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 HFS 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).”

Catalog Item Details

Line	Qty.	Catalog	
	1.00	S7529PH	SIGNA™ Premier 3.0T 29.0 MR System with Detachable Table

SIGNA™ Premier is the next generation MR system from GE Healthcare, designed to deliver unprecedented performance with uncompromised patient comfort, establishing a new standard for 3.0T wide-bore performance. With an innovative 146ch Total Digital Imaging (TDI) received chain, and full compatibility with the AIR™ family of products, the SIGNA™ Premier delivers the clinical, research and operational performance you have come to expect.

The Foundation of Quality

When it comes to delivering on the promise of 3.0T image quality while enhancing the openness and patient experience, no other MR component has greater impact than the magnet. The SIGNA™ Premier system features a compact, lightweight, superconducting magnet designed to provide excellent homogeneity ensuring uniform signal and fat-suppression over a larger FOV. While improving the patient experience with a 70 cm bore size, the SIGNA™ Premier magnet supports a large 50 cm FOV and may reduce exam time since fewer acquisitions are needed to cover a large anatomy.

SuperG Gradient Technology:

SuperG is the foundation for Premier's gradient design as an uncompromised high-end research instrument, with a focus on supporting clinical translation and site-to-site collaboration. SuperG delivers unmatched 65 mT/m amplitude and a slew-rate of 200 T/m/s in a 70cm package with unlimited duty-cycle and excellent stability for consistent imaging and an uncompromised patient experience.

To tackle unlimited duty-cycle, SuperG employs all-hollow gradient technology, which provides twice the thermal efficiency of conventional designs. The X, Y, and Z axis, in both the primary and shield layers, leverage hollow enameled copper windings that provide direct cooling to each axis during imaging. By eliminating inner-layer cooling panels often encountered in conventional gradient technology, SuperG has increased efficiency and removes 45 kW of heat, continuously, to deliver unlimited duty-cycle performance.

SuperG is also force and torque-balanced, which offsets internal forces experienced by high-performance gradients. By leveraging the precise knowledge of the main 3.0T magnetic field, the gradient windings were optimized to minimize the net force on each axis. This provides excellent system stability, minimal vibrations, lower acoustics, and an improved experience for patients during imaging; it is especially beneficial during advanced applications like high b-value diffusion.

Finally, SuperG has integrated 2nd and 3rd order shims to improve SNR by compensating for B0 inhomogeneities that are inherently introduced when the human body is placed within the magnet field.

The main characteristics of the SuperG gradient subsystem of the SIGNA™ Premier are:

- 65 mT/m peak amplitude
- 200 T/m/s peak slew rate
- 100% duty cycle
- All-hollow-conductor design for direct water cooling per axis
- Forced-balanced design for minimum vibro-acoustic interactions with the patient
- 50cm x 50cm x 50cm maximum Field of View (FOV)
- 1034 Amps / 2324 Volts peak amplifier current and voltage
- Maximum heat removal to customer-supplied water: 70kW

The SIGNA™ Premier gradient coil comes with (5) second order and (3) third high order shim coils integrated into the gradient coil structure to minimize the effect of patient-induced magnet inhomogeneity.

- Linear terms: X, Y, Z
- 2nd order terms: XY, ZX, ZY, Z2, X2-Y2
- 3rd order terms: Z3, Z2X, Z2Y

TDI RF Receive Architecture:

The RF acquisition technology of the SIGNA™ Premier enables greater clinical performance and higher image quality, especially for data-intensive applications. The technology is based on GE's Total Digital Imaging (TDI) RF architecture and provides significant

improvement in SNR compared to previous generations.

Direct Digital Interface (DDI) employs an independent analog-to-digital converter to digitize inputs from 146 RF channels, eliminating unnecessary noise enhancement. In other words, every element translates to a digitized signal. The result? Not only does DDI technology improve SNR, but it also works with legacy GE coils for unmatched flexibility.

The main characteristics of the TDI RF architecture of the SIGNA™ Premier are:

- 146 RF channels
- 146 simultaneous RF receivers (Analog to Digital converters)
- 80 MHz receiver bandwidth per channel
- >165 dB receiver dynamic range at 1Hz Bandwidth

MultiDrive RF Transmit Architecture:

MultiDrive RF architecture adjusts/optimizes the phase and amplitude of each RF amplifier output channel that is applied to the 4-port drive whole-body RF transmit coil to enhance RF uniformity and signal homogeneity regardless of patient size and body habitus. The main characteristics of the MultiDrive architecture of the SIGNA™ Premier are:

- 2 output channels
- 30kW maximum RF amplifier output power
- 4-port driven, 16-rung quadrature birdcage integrated Transmit/Receive body coil

PERFORM 2.0 combines RF body coil design, optimized pulse sequences, detailed predictive SAR modeling during prescription, and real-time SAR feedback and correction during scanning to help ensure high performance across all applications, tailored for each patient.

reFINE designed to address the challenge of 3.0T high-field uniformity. Just like a home theater surround system can be optimized, with reFINE, you increase your control over improved RF pulse efficiency, so you get clearer, crisper signals no matter your patient composition or position. reFINE makes consistent 3.0T imaging the rule, not the exception.

Host Computer and Volume Reconstruction Engine:

The latest computing platform comes standard and utilizes a parallel, multi-processor design to enable simultaneous scanning, reconstruction, filming, post-processing, archiving, and networking. The keyboard assembly integrates an 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. The main characteristics of the Host Computer of the SIGNA™ Premier are:

- 3.6 GHz clock rate
- 64 GB memory
- 1024 GB SSD hard disk storage

Reconstruction performance today is challenged by explosive growth in data and increased computational complexity. The amount of data to be stored and processed continues to increase with the advances in MR system technology. The SIGNA™ Premier meets that challenge head-on with innovations in reconstruction to take full advantage of computing power and by leveraging both hardware and software technology.

The main characteristics of the Gen7 Volume Reconstruction Engine (VRE) of the SIGNA™ Premier are:

Advanced:

- Dual Intel Xeon Gold 6130
- Memory: \geq 192 GB
- Hard Disk Storage: 1440 GB SSD
- 2D FFT/second (256 x 256 Full FOV): 81,000 2DFFT/second
- Operating System: Scientific Linux

Orchestra reconstruction platform delivers a new software toolbox for advanced reconstruction approaches allowing the most demanding applications to be run seamlessly delivering enhanced productivity without reconstruction lag between scans and exams.

AIR™ Recon:

Reconstruction is at the heart of every scan and reducing noise during reconstruction is critical to achieving clear images.

With AIR™ Recon, GE's smart reconstruction algorithm available on several key applications like PROPELLER, Cube, FSE and Flex, you can reduce background noise and out-of-FOV artifacts while improving SNR. The result is cleaner, crisper images without having to overcompensate in your scanning protocol.

The SIGNA™ Premier system 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™ Premier for further details.

SIGNA™ Flow:

SIGNA™ Flow is designed to standardize and accelerate workflows for patient set-up, exam prescription, scanning and post-processing. SIGNA™ Flow 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.

- In-Room Operator Console and controls
- IntelliTouch land-marking
- Protocol Libraries & Management Tools
- Workflow Manager & Auto Functions
- Inline Processing, Networking & Viewing
- Start Scan, Stop Scan, Pause/Resume Scan
- ReadyView post processing on console

deFINE takes the results of SIGNA™ Premier to the next level by enhancing the image appearance with integrated, in-line, optimizable settings. These settings can be generated for each individual sequence or for the entire exam. With deFINE, you meet your high-quality image needs and go beyond the normal.

eXpress Patient Table: The SIGNA™ Premier offers a fully dockable patient table, which features the embedded Posterior Array (sold separately), helps improve exam efficiency, and patient comfort. The patient table can be lowered to very low heights for easy and fast transfer of wheelchair patients.

- 250kg (550lbs) maximum patient weight for scanning
- 250kg (550lbs) maximum lift capacity
- Patient positioning (longitudinal speed), 30 cm/sec (fast) and 25 cm/sec (return to home)
- Fast patient egress, 45 cm/sec
- 205 cm total scannable range
- 70 cm to 93 cm minimum to maximum height
- Head-first or feet-first imaging

SIGNA™Works:

SIGNA™Works is the latest software platform provided by GE, it includes the base pulse sequences, workflow enhancements and visualization tools to enable high productivity with exceptional quality and outcomes. SIGNA™Works, starting with the acquisitions, provides the tools needed to enable superb results in the various clinical fields. With six optimized Works categories, GE delivers preset protocols for the most demanding Neuro, Musculoskeletal, Cardiovascular, Body, Oncology and Paediatric areas. In addition to enabling the routine imaging, SIGNA™Works provides the user with a streamlined and efficient operating environment with in-line processing through single-click outcomes for even the most demanding processes.

NeuroWorks: Includes the basic imaging acquisitions and processing along with the latest in motion correction, functional and volumetrics. Supporting both simple reconstruction and real-time perfusion results with BrainStat AIF. Including:

- Silent Suite with 3D Silenz and PROPELLER MB
- FOCUS
- Flex for FSE and Cube
- SWAN 2.0
- PROPELLER MB motion robust radial FSE now including T1 and Fat suppression (STIR and ASPIR)
- 3D Cube FSE-based 3D imaging including Dual Inversion Recovery
- BrainStat AIF parametric maps
- eDWI
- ReadyBrain automated brain exam prescription
- 3D COSMIC modified steady state imaging

- 3D BRAVO IR prepared fast SPGR imaging
- PROBE PRESS single voxel spectroscopy

OrthoWorks: Delivers routine imaging that is not always a given. From motion correction to advanced volumetric imaging, GE's latest MSK techniques provide you with the contrasts you need for the basic imaging to enhanced cartilage imaging. And with multiple tissue suppression methods available, OrthoWorks enables the best of what can be achieved in a standard configuration. Including:

- MARS High Bandwidth for FSE
- PROPELLER MB motion robust radial FSE now with T1 and Fat Suppression (STIR and ASPIR)
- 3D Cube FSE
- 3D COSMIC
- Flex for FSE and Cube

BodyWorks: The latest in Torso imaging is delivered with volumetric imaging supporting advanced Parallel imaging standard. Including, Snapshot imaging with optimized Single Shot FSE. 3D isotropic imaging for MRCP, Dynamic Imaging and Routine Volumetric imaging enabled with Motion Free navigation for post-contrast uses with high temporal resolution results. Motion correction is further enhanced with both the PB navigators as well as PROPELLER including T1 weighted results. Turbo class of acquisitions streamlines the speed and enables higher quality results. Advanced processing is made one-touch with the new READYView on Console capabilities. Including:

- FOCUS
- Flex for FSE and Cube
- Body Navigators pencil-beam diaphragm tracker
- PROPELLER MB for motion robust radial FSE including PB Navigator and fat suppression (STIR/ASPIR)
- Turbo LAVA and LAVA Flex with Turbo ARC
- Enhanced SSFSE
- MultiPhase DynaPlan
- SmartPrep

OncoWorks: Delivers a complete platform for your needs in Prostate, Breast and Radiation Therapy planning. From the basic routine acquisitions to whole body imaging including volumetric and enhanced diffusion capabilities, GE enables superb linearity from the gradient platform and hardware performance. GE provides the necessary preset protocols to supply you with optimal imaging for your oncology needs that is further enhanced visualization capabilities so that your results can be a single click away. Including:

- FOCUS
- Flex for FSE and Cube
- Body Navigators pencil-beam diaphragm tracker
- PROPELLER MB for motion robust radial FSE including PB Navigator and fat suppression (STIR/ASPIR)
- Spin Echo & Fast Spin Echo Suites
- eDWI
- Whole Body Scanning tools including eDWI

CVWorks: Provides GE's extensive coverage for the latest techniques enabling high performance Cardiovascular imaging outcomes. Single Breath-Hold imaging for whole heart coverage are available from Morphology to Delayed enhancement. Enabling simplified generation of superb results including head-to-toe MRA support to single acquisition Time of Flight and additional non-contrast imaging for flow. With SmartPrep and Fluoro triggering enabled for first time right contrast injections.

Vascular specific including:

- Body Navigators pencil-beam diaphragm tracker
- 2D/3D Time-Of-Flight & 2D Gated Time-of-Flight
- 2D/3D Phase Contrast & Phase Contrast Cine
- SmartPrep automated bolus detection
- Fluoro Trigger real-time bolus monitoring
- 3D QuickStep automated multi-station imaging
- Inhance Suite
- TRICKS time resolved vascular imaging

Cardiac specific including:

- iDrive Pro Plus
- Double-Triple IR-FSE with spectral fat suppression
- FastCine FGRE-based, gated multi-phase imaging

- 2D FIESTA Cine steady-state, gated multi-phase imaging
- 3D FS FIESTA steady-state coronary imaging
- Cine Paging (128 images/4 windows @ 30fps)
- MDE Plus Phase Sensitive Single shot and Multi-shot options
- Cine IR
- StarMap
- Single shot black blood FSE

PaedWorks: Is the GE solution to address your specific needs in Paediatric imaging, from standard sequences supported with the latest in motion control for brain to toes. GE delivers standard acoustic reduction technologies and further addresses clinical needs for volumetric imaging, whole body imaging and enhanced diffusion results. The streamlined processing enables simplified one-click processing and visualization of complex results. PaedWorks covers your needs for all anatomies and provides optimized protocols and preset procedures. Including:

- FOCUS
- Flex for FSE and Cube
- PROPELLER MB motion robust radial FSE now including T1 and Fat suppression (STIR and ASPIR)
- 3D Cube FSE-based 3D imaging including Dual Inversion Recovery
- BrainSTAT AIF parametric maps
- Body Navigators pencil-beam diaphragm tracker
- eDWI
- Black Blood SSFSE
- SWAN 2.0
- Inhance Suite

In addition, the following SIGNA™ Works advanced applications are included as part of the SIGNA™ Premier:

- Diffusion Tensor Imaging and Fiber Tracking
- Cartigram T2 mapping
- IDEAL IQ iron quantification
- Cardiac Tagging
- Cardiac Time Course
- 3D HEART coronary vessel imaging

Line	Qty.	Catalog	
	1.00	M7102BC	SIGNA™ Premier 3.0T Magnet for Detachable Table

The SIGNA™ Premier system features a compact, lightweight, superconducting magnet designed to provide excellent homogeneity ensuring uniform signal and fat-suppression over a larger FOV. While improving the patient experience with a 70 cm bore size, the SIGNA™ Premier magnet supports a large 50 cm FOV and may reduce exam time since fewer acquisitions are needed to cover a large anatomy. The main characteristics of the SIGNA™ Premier magnet are:

- 3.0T magnet
- 70cm wide-bore diameter
- 50cm x 50cm x 50cm maximum Field of View (FOV) with 2.5ppm typical homogeneity
- Zero Boil-Off
- 174 cm x 212 cm x 240 cm magnet dimensions (without enclosures)

Line	Qty.	Catalog	
	1.00	S7527PS	SIGNA Premier PreInstall Collector

The SIGNA Premier PreInstall Collector includes the following:

- Preinstall Collector
- 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. This collector includes the heat exchange cabinet for distribution of chilled water and a helium cryocooler hose kit.

The Cable Concealment Kit option 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.

Line	Qty.	Catalog	
	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.

Line	Qty.	Catalog	
	1.00	M7101BP	SIGNA Premier 3.0T Cable Collector - C (Long SR / Short ER) for Detachable Patient Table

To accommodate various electronic and scan room configurations and sizes, the system has preset lengths of cables and connector kits to speed system installation. This configuration is for sites with 9 meters between the penetration wall and the rear of the MR scanner room (SR), and approximately 9 meters between the penetration wall and cabinets in the electronics room (ER). Refer to the pre-installation manual for exact cable lengths and configurations. This cable collector is compatible with fixed and modular or relocatable building configurations.

Line	Qty.	Catalog	
	1.00	M8686SR	Gradient Cable Kit Placeholder – Scan Room

Gradient Cable Kit Placeholder – Scan Room

Line	Qty.	Catalog	
	1.00	M8686EQ	Gradient Cable Kit Placeholder – Equipment Room

Gradient Cable Kit Placeholder – Equipment Room

Line	Qty.	Catalog	
	1.00	M7101BK	SIGNA Premier Scan Room Collector

The Scan Room Collector contains the Primary Penetration wall panel for support of the penetration cabinet, and the Secondary Penetration wall panel for support of gradient filters, helium cables, and chilled air and water.

Line	Qty.	Catalog	
	1.00	M7101MD	Premier 200A Main Disconnect Panel

Premier 200A Main Disconnect Panel

Line	Qty.	Catalog	
	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.

Line	Qty.	Catalog	
	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.

Line	Qty.	Catalog	
	1.00	M7102SY	SIGNA™ PREMIER 3T MR29.1 UPGRADE

The SIGNA™ Premier 3T 70cm wide-bore magnetic resonance system was designed to deliver exceptional imaging performance in a patient-friendly 70cm wide-bore environment. The SIGNA™Works AIR™ IQ Edition upgrade transitions your SIGNA™ Premier to the MR29.1 software platform.

This upgrade catalog comprises the MR29.1 operating/imaging software:

- SIGNA™Works AIR™ IQ Edition new feature summary
- SIGNA™Works AIR™ IQ Edition Workflow Enhancements
- SIGNA™Works AIR™ IQ Edition Technology Toolkits
- SIGNA™ Works AIR™ IQ Edition Clinical Applications Toolkits
- SIGNA™ Works AIR™ IQ Edition READYView Advanced Visualization

The upgrade to the AIR™ IQ Edition of SIGNA™Works enhances existing and adds new workflow and applications capability.

- Split Exam create/assign separate exam number for a sub-set of series
- AIR™ Touch intelligent landmarking activation
- AIR™ Recon smart algorithm for brain, MSK, body, cardiac, PROPELLER MB and FOCUS DWI imaging
- Whole-Body automated multi-station localizer and auto pasting
- Whole-Body automated multi-station FSE-IR, 3D SPGR and DWI imaging (new for upgrades from 27)
- SnapShot SSFSE multi-slice per breath-hold imaging
- Cube flexibility for modifying/reducing scan time
- Dynamic phase correction for FSE imaging
- Uniformity optimization for large FOV body diffusion

SIGNA™Works AIR™ IQ Edition Workflow Enhancements

AIR™ IQ Workflow delivers new capabilities that speed set-up for all exams and streamline scanning for multi-station and combination exams. The AIR™ IQ Edition workflow features include:

- AIR™ Touch intelligent activation reduces set-up time by reducing coil selection and optimization to one finger touch and one mouse click. AIR™ Touch then activates coil elements based on the anatomy, FOV and ARC parallel imaging factor.
- Whole Body Localizer automates the acquisition and pasting of multi-station scans for planning, and Whole-Body Imaging enables automated multi-station scanning with FSE-IR, 3D SPGR and DWI diffusion contrasts.
- Once scanning and processing are complete, Split Exam provides the capability to extract a subset of series from multi-station and

combination exams to create/assign a separate exam number for accession numbers in billing and PACS systems.

SIGNA™Works AIR™ IQ Edition Technology and Clinical Applications Toolkits

SIGNA™Works comprises the operating software, pulse sequence families, clinical applications and visualization toolkits as well as acceleration, motion correction and tissue suppression technology. The AIR™ IQ edition adds new capability to the technology and imaging toolkits.

Acceleration Technology

Reduce scan set-up and acquisition time with a suite of acceleration techniques, and many techniques can be used in combination for additive effects. The AIR™ IQ Edition adds AIR™ Touch and AIR™ Recon to the Acceleration portfolio.

- AIR™ Touch intelligent activation reduces set-up time by reducing coil selection and optimization to one finger touch and one mouse click. AIR™ Touch then activates coil elements based on the anatomy, FOV and ARC parallel imaging factor.
- AIR™ Recon is a smart reconstruction algorithm that reduces background noise and artifacts enabling enhanced image quality without the need for longer scan times. AIR™ Recon compatibility expands with the AIR™ IQ edition to be compatible with a broad range of imaging sequences: FSE fast spin echo, 3D Cube fast spin echo, SPGR/FSPGR, GRE/FGRE, PROPELLER MB, eDWI, FOCUS DWI, FIESTA, Black Blood, Time Course, MDE, SSMDE and StarMap.
- ARC parallel imaging reduces scan time using an auto-calibrating (data-driven) technique. ARC selectively acquires data using an adaptive algorithm. As a result, ARC enables smaller FOV prescription with less sensitivity to motion and prevents coil calibration artifacts. With the AIR™ IQ Edition, AIR™ Touch aids coil activation for ARC.
- ASSET parallel imaging reduces scan time using an array spatial sensitivity (image driven) technique. ASSET takes advantage of the data produced by the multiple coil elements to reduce the total data needed.
- Flexible No Phase Wrap reduces scan time by reducing the number of increments acquired based on a flexible user-selectable factor.
- Fraction NEX reduces scan time by reducing the number of data averages.

Motion Correction Technology

Enable free-breathing body exams and address the effects of motion with patient-adaptive technologies that proactively detect and correct for motion without hardware dependencies or the need for user intervention. The AIR™ IQ Edition adds AIR™ Recon for PROPELLER MB imaging.

- Auto Body Navigators deliver real-time, respiratory motion compensated imaging for a broad range of sequences, including T1w dynamic contrast-enhanced imaging. Auto Body Navigators use a software-based tracking pulse that is automatically placed for the user and allows on-the-fly adjustment to adapt to challenging patient circumstances, again without the need for hardware.
- PROPELLER MB combines radial acquisition and motion correction post-processing to mitigate the effects of motion without the need to position the patient over a sensor. PROPELLER MB can be used to generate T1, T2, PD, T1 FLAIR, and T2 FLAIR contrasts and is compatible with FatSat, ASPIR, STIR T1 and Auto Body Navigators to enable usage for a broad range of exams. With the AIR™ IQ Edition, PROPELLER MB motion correction benefits from AIR™ Recon image quality.

Tissue Suppression Technology

Modify the contribution of fat or water signal with multiple tissue suppression techniques.

- FatSat uses a frequency selective pulse to target and suppress the signal from fat.
- STIR uses an inversion pulse to null either the signal from fat or water based on the timing of the pulse.
- SPECIAL essentially combines FatSat and STIR by using a frequency selective inversion pulse that targets and suppresses the signal from fat.
- ASPIR enhances fat suppression by using a spectrally selective (instead of a single frequency) inversion pulse to null the signal from fat.

The SIGNA™Works AIR™ IQ Edition clinical imaging tools are organized and optimized to address six clinical work areas: NeuroWorks, OrthoWorks, BodyWorks, OncoWorks, CVWorks and PaedWorks.

NeuroWorks comprises pre-programmed protocols, clinical applications and visualization tools designed for the challenges of brain and brachial plexus imaging. Resulting capability starts with simplified prescription and protocol set-up. Imaging capability extends to sensor-free motion correction, advanced volumetric imaging, enhanced diffusion and selective tissue suppression techniques. Post-processing capability augments the portfolio with 3D multi-planar reformat, volume segmentation/rendering and dynamic contrast-enhanced assessment.

The AIR™ IQ Edition brings Cube enhancements that provide greater flexibility for modifying/reducing scan time and adds AIR™

Recon image quality.

- READYBrain auto-align for automated brain exam prescription
- PROPELLER MB motion robust radial-FSE with T1, PD, T2, T2 FLAIR, T1 FLAIR with STIR and ASPIR
- PROPELLER DW Duo FSE-based diffusion with susceptibility reduction
- 3D Cube 2.0 FSE-based imaging with T1, T2, T1 FLAIR, T2 FLAIR and STIR
- 3D Cube Dual Inversion Recovery for gray or white matter nulling
- 3D COSMIC modified steady state imaging
- 2D/3D MERGE T2* multi-echo fast gradient echo imaging
- 3D BRAVO IR prepared fast SPGR imaging with concentric k-space filling
- 3D MP-RAGE IR prepared fast SPGR imaging with sequential k-space filling
- 3D FIESTA and 3D FIESTA-C fast steady state imaging
- eDWI enhanced diffusion with Multi-B value and SmartNEX
- PROBE PRESS single voxel spectroscopy
- BrainStat GVF and AIF parametric maps
- READYView and BrainView post-processing

OrthoWorks delivers pre-programmed protocols, clinical applications and visualization tools designed for the challenges of joint, long bone and spine imaging. Resulting capability starts with fast-spin echo techniques as the foundation for articular cartilage, ligaments, menisci and sub-chondral bone imaging. Imaging capability also extends to sensor-free motion correction, advanced volumetric imaging and selective tissue suppression techniques. Post-processing capability augments the portfolio with 3D multi-planar reformat and volume segmentation/rendering.

The AIR™ IQ Edition brings dynamic phase correction for enhanced FSE imaging and AIR™ Recon image quality.

- FSE and frFSE fast spin echo imaging suites with dynamic phase correction
- FatSat, STIR, SPECIAL, ASPIR, Spectral Spatial fat-suppression tools
- MARS High Bandwidth distortion reduction for FSE
- PROPELLER MB motion robust radial FSE with T1, PD, T2 and Fat Suppression (STIR and ASPIR)
- 3D Cube 2.0 FSE-based imaging with T1, T2, and STIR
- 3D COSMIC modified steady state imaging
- 2D/3D MERGE T2* multi-echo fast gradient echo imaging
- READYView post-processing

BodyWorks delivers pre-programmed protocols, clinical applications and visualization tools designed for the challenges of imaging the upper abdomen, liver, male pelvis and female pelvis. Resulting capability starts with sensor-free motion correction and navigators that enable the ability to conduct free-breathing exams with a broad range of contrast weighting capability. Imaging capability further extends to snap-shot imaging, volumetric MRCP imaging, dynamic volumetric imaging, enhanced diffusion and selective tissue suppression techniques. Post-processing capability augments the portfolio with 3D multi-planar reformat and high-definition maximum/minimum intensity pixel projection.

The AIR™ IQ Edition brings automated localizing and imaging for multi-station exams, adds AIR™ Recon image quality for body sequences, adds Snapshot multi-slice per breath-hold imaging and optimization for body diffusion.

- Auto Navigators diaphragm tracker for free-breathing scanning
- PROPELLER MB motion robust radial FSE with T1 and Fat Suppression (STIR and ASPIR)
- 3D Cube FSE-based imaging with T1, T2, and STIR
- eDWI enhanced diffusion with Multi-B value and SmartNEX
- 3D Dual Echo gradient echo in/out phase imaging
- 3D LAVA and Turbo LAVA with Turbo ARC and SPECIAL for dynamic or single-phase imaging
- 3D MRCP frFSE imaging
- 2D Fat Sat FIESTA fast steady state imaging
- Enhanced SSFSE Snapshot multi-slice imaging with SmartR
- Whole-Body multi-station localizer and pasting
- Whole-Body multi-station FSE-IR, 3D SPGR and DWI imaging
- Multiphase DynaPlan
- SmartPrep automated bolus detection
- Fluoro Trigger real-time bolus monitoring
- READYView and BodyView post-processing

OncoWorks delivers pre-programmed protocols, multi-station, contrast-timing, clinical applications and visualization tools designed for the challenges of imaging throughout the brain, spine and body. Resulting capability starts with tools that simplify and streamline the

steps associated with multi-station acquisition and the timing of contrast delivery. Imaging capability includes sensor-free motion correction and navigators that enable the ability to conduct free-breathing exams with a broad range of contrast weighting capability. Capability further extends to snap-shot imaging, dynamic volumetric imaging, enhanced diffusion and selective tissue suppression techniques. Post-processing capability augments the portfolio with 3D multi-planar reformat, volume segmentation/rendering, diffusion assessment and auto-contour.

The AIR™ IQ Edition brings automated localizing and imaging for multi-station exams, adds optimization for body diffusion and adds AIR™ Recon image quality.

- Auto Navigators diaphragm tracker for free-breathing scanning
- PROPELLER MB motion robust radial-FSE with T1, PD, T2, T2 FLAIR, T1 FLAIR with STIR and ASPIR
- PROPELLER DW Duo FSE-based diffusion imaging with susceptibility reduction
- 3D Cube 2.0 FSE-based imaging with T1, T2, T1 FLAIR, T2 FLAIR and STIR
- 3D Cube Dual Inversion Recovery for gray or white matter nulling
- 3D BRAVO IR prepared fast SPGR imaging with concentric k-space filling
- 3D MP-RAGE IR prepared fast SPGR imaging with sequential k-space filling
- Enhanced SSFSE Snapshot multi-slice imaging with SmartR
- Whole-Body multi-station localizer and pasting
- Whole-Body multi-station FSE-IR, 3D SPGR and DWI imaging
- eDWI enhanced diffusion with Multi-B value and SmartNEX
- 3D LAVA and TurboLAVA with Turbo ARC and SPECIAL
- Multiphase DynaPlan
- SmartPrep automated bolus detection
- Fluoro Trigger real-time bolus monitoring
- READYView, BrainView and BodyView post-processing

CVWorks delivers pre-programmed protocols, multi-station, contrast-timing, clinical applications and visualization tools designed for the challenges of imaging vascular structures and the heart. Resulting capability starts with tools that simplify and streamline the steps associated with multi-station acquisition and the timing of contrast delivery. Imaging capability includes sensor-free navigators that enable the ability to conduct free-breathing exams. For MRA, imaging capability includes 2D and 3D time-of-flight and phase contrast MRA. For the heart, imaging capability includes techniques for morphology, function and tissue characterization. Post-processing capability augments the portfolio with interactive vascular imaging for MRA and high-definition maximum/minimum pixel projection.

The AIR™ IQ Edition adds AIR™ Recon image quality for cardiac sequences.

- Auto Navigators diaphragm tracker for free-breathing scanning
- iDrive for free breathing cardiac planning
- 2D FIESTA Cine gated steady-state, multi-phase imaging
- 3D FS FIESTA steady-state imaging with Fat Sat
- 2D/3D IR Prep gated fast gradient echo imaging
- Black Blood SSFSE single-shot FSE-based imaging
- 2D/PS MDE phase sensitive tissue characterization
- 2D/3D Time-Of-Flight & 2D Gated Time-of-Flight
- 2D/3D Phase Contrast & Phase Contrast Cine
- SmartPrep automated bolus detection
- Fluoro Trigger real-time bolus monitoring
- 3D QuickStep automated multi-station imaging
- READYView post-processing

PaedWorks delivers pre-programmed protocols, clinical applications and visualization tools designed for the challenges of imaging pediatric patients. Resulting capability starts with sensor-free motion correction and navigators that enable the ability to conduct free-breathing exams with a broad range of contrast weighting. Imaging capability further extends to advanced volumetric imaging, dynamic volumetric imaging, enhanced diffusion and selective tissue suppression techniques. Post-processing capability augments the portfolio with 3D multi-planar reformat, volume segmentation/rendering and diffusion assessment.

The AIR™ IQ Edition brings Cube enhancements that provide greater flexibility for modifying/reducing scan time, enables AIR™ Recon image quality for PROPELLER MB, body and cardiac sequences and expands diffusion techniques.

- PROPELLER MB motion robust radial-FSE with T1, PD, T2, T2 FLAIR, T1 FLAIR with STIR and ASPIR
- 3D Cube 2.0 FSE-based imaging with T1, T2, T1 FLAIR, T2 FLAIR and STIR
- 3D Cube Dual Inversion Recovery for gray or white matter nulling
- 3D COSMIC modified steady state imaging

- 2D/3D MERGE T2* multi-echo fast gradient echo imaging
- 3D BRAVO IR prepared fast SPGR imaging with concentric k-space filling
- 3D MP-RAGE IR prepared fast SPGR imaging with sequential k-space filling
- 3D FIESTA and 3D FIESTA-C fast steady state imaging
- eDWI enhanced diffusion with Multi-B value and SmartNEX
- PROBE PRESS single voxel spectroscopy
- Auto Navigators diaphragm tracker free-breathing scanning
- 3D LAVA and Turbo LAVA with Turbo ARC and SPECIAL for dynamic or single-phase imaging
- Enhanced SSFSE Snapshot multi-slice imaging with SmartR
- Black Blood SSFSE single-shot FSE-based imaging
- 2D PS/MDE phase sensitive tissue characterization
- StarMap iron assessment for liver and heart (acquisition)
- BrainStat GVF and AIF parametric maps
- READYView and BrainView post-processing

Advanced Visualization and Post-Processing

READYView is a SIGNA™ Works AIR™ IQ Edition 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 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 (BOLD) series fMRI processing
- Spectroscopy data (single voxel and 2D or 3D CSI)
- MR Touch (MR elastography) series

Line	Qty.	Catalog	
	1.00	M7777BF	suiteHEART® by NeoSoft -- one (1) user; Upgrade from Cardiac VX

The upgrade includes an upgrade to an unlimited/permanent license to NeoSoft suiteHEART® software from your current CardiacVX software for a single user.

suiteHEART® software, by NeoSoft, has an intuitive and easy-to-use interface for analyzing cardiac MRI studies. Its artificial intelligence algorithms provide fully automated preprocessing of ventricular function, flow and delayed enhancement.

suiteHEART® software includes Virtual Fellow™, which uses deep learning to automatically identify and display relevant images in a standardized fashion, enabling quick and easy comparison of images between series and between studies of different dates. It allows user defined normal values, has a flexible report format, supports customized reporting macros, and exports reports and images in multiple formats.

suiteHEART®, by NeoSoft includes a report database which can be searched based on user defined parameters. DICOM connectivity is supported by suiteDXT, which manages networking and storage of patient studies for analysis.

suiteHEART®, by NeoSoft, supports the following analysis:

- Ventricular Function
- Myocardial Evaluation
- Time Course
- T1 Mapping
- T2 Mapping
- T2* Mapping
- 2D PC Flow
- 4D Flow
- 3D Viewer

- Patent Foramen Ovale
- Strain Analysis†

†Strain Analysis is an Investigational Device: Claims have not been evaluated by the FDA. Use pursuant to company instruction and research agreement. NeoSoft LLC proprietary and confidential.

The suiteHEART® software will be delivered and installed remotely by NeoSoft. NeoSoft will also provide 8 hours of remote clinical application training at first installation. Additional remote applications training can be purchased separately in 8-hour increments.

12 months of standard remote technical support provided by NeoSoft (starting from the day of the delivery). Standard maintenance and support available directly through NeoSoft after the initial 12 months. Contact service@neosoftmedical.com.

Line	Qty.	Catalog	
	1.00	M7777BG	suiteHEART® by NeoSoft -- three (3) concurrent user

suiteHEART® three (3) concurrent user is an unlimited/permanent license model providing access to suiteHEART®, by NeoSoft, for 3 concurrent users.

suiteHEART®, by NeoSoft, is a cardiac MRI analysis software with an intuitive and easy-to-use interface. It provides fully automated preprocessing of ventricular function, flow and delayed enhancement for 3 concurrent users.

suiteHEART® software, by NeoSoft, has an intuitive and easy-to-use interface for analyzing cardiac MRI studies. Its artificial intelligence algorithms provide fully automated preprocessing of ventricular function, flow and delayed enhancement.

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- 2D PC Flow
- 4D Flow
- 3D Viewer
- Patent Foramen Ovale
- Strain Analysis†

†Strain Analysis is an Investigational Device: Claims have not been evaluated by the FDA. Use pursuant to company instruction and research agreement. NeoSoft LLC proprietary and confidential.

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Line	Qty.	Catalog	
	1.00	M7102AF	SIGNA™ Premier AIR Coils Suite (HNA, PA, & AA)

The SIGNA™ Architect AIR™ Coils Suite includes the following:

- 3.0T Head and Neck Array (HNA)
- 3.0T AIR™ Posterior Array (PA)
- 3.0T AIR™ Anterior Array (AA)

The Head Neck Array includes the head baseplate and two anatomically optimized anterior arrays: the anterior Neuro-Vascular array and the anterior Open-Face array. The HNA supports head-first imaging and may remain in place for all body, vascular, spine, and the majority of MSK exams. The HNA base plate supports the patient's head, and the Comfort Tilt variable-degree ramp can be positioned under the HNA base plate to elevate the coil to match the patient's head and neck position.

- 21 elements
- Up to 61, when combined with the AIR™ Posterior Array and AIR™
- Anterior Array: 45 cm Superior/Inferior coverage
- 53 cm x 35 cm x 35 cm dimensions (L x W x H)

The 60-channel AIR™ Posterior Array (PA) is the next generation posterior array, embedded in the patient table and fully integrated with the system. The AIR™ PA allows faster imaging with higher acceleration factors, while improving the SNR profile in the spine and deeper anatomical structures in the body. The coil has been designed to be transparent when additional surface coils are placed directly on top of the table. The AIR™ PA can be used for spine, torso, cardiac, abdomen, prostate, pelvis, hip, whole-body and peripheral vascular examinations, in conjunction with other coils.

The 30-channel AIR™ Anterior Array (AIR™ AA) is the next generation anterior array coil that allows flexibility in all directions to conform to the patient's anatomy. Based on the innovative technologies behind the Inca conductor and the Emode electronics, the AIR™ AA provides uncompromised SNR and acceleration performance, while improving the overall patient and user experience. The coil has been designed to adapt various patient shapes and sizes, with an ultra-light weight distribution. The AIR™ AA can be used for torso, cardiac, abdomen, prostate, pelvis, hip, whole-body and peripheral vascular examinations, in conjunction with other coils.

Line	Qty.	Catalog	
	1.00	M7001KK	3.0T 16-Channel T/R Hand Wrist Array

The 3.0T T/R Hand Wrist Array is a rigid shell 16 channel transmit/receive hand wrist coil designed for high resolution imaging with multi-planar parallel imaging capabilities allowing imaging with arm down approach.

Line	Qty.	Catalog	
	1.00	M7001KL	3.0T 18-Channel TDI T/R Knee Array

The 3.0T 18-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.

Line	Qty.	Catalog	
	1.00	M7001KM	3.0T TDI 8-Channel Foot/Ankle Array

The 3.0T 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.

Line	Qty.	Catalog	
	1.00	M7100EK	3.0T T/R Head Coil

The 3.0T T/R Head coil is designed to produce images of the head, including but not limited to the brain, orbits, and blood vessels. The head coil is designed to create an evenly distributed magnetic field within its volume. This field is homogeneous inside the coil and rotates in the transverse plane at the system frequency. The head coil transmits and receives a magnetic field to control the spins in the imaging volume.

Line	Qty.	Catalog	
	1.00	M7006YH	3.0T AIR™ MP Medium Coil with Positioner Kit

The package includes AIR™ MP Medium Coil with a coil positioner kit.

The 20-channel 3.0T AIR™ MP Medium is the next generation multipurpose coil that allow flexibility in any direction to conform to the patient's anatomy.

Based on the innovative AIR™ Coil technologies, the 3.0T AIR™ MP Medium provides good image quality and acceleration performance, while improving the overall patient and user experience. The coil has been designed to adapt to various patient shapes and sizes, expanding positioning versatility. AIR™ MP Coil Medium is recommended to be used for Wrist, Elbow, Cardiac.

The AIR™ MP Coil Positioner Kit includes a knee positioner, a foot-ankle positioner, a wedge pad, a u-shaped pad and a strap kit. The Positioner Kit is compatible with both AIR™ MP Large and Medium Coils for positioning.

Line	Qty.	Catalog	
	1.00	E8800XA	NeoCoil Sentinel G1 Wireless Music System for MRI Systems

The NeoCoil Wireless Audio/Music system provides audio entertainment and facilitates communications between the patient and technologist. Wireless solution eliminates multiple cords and standard 3.5mm audio jack allows any compatible music source. Integrates audio entertainment, the technologist's voice, and AutoVoice for optimum patient communication
 MR Conditional wireless audio system for use with high field MRI up to 3.0T
 Dramatically attenuates gradient noise
 When the technologist uses the intercom or when the feature AutoVoice is used, the music is interrupted for clear communication
 Wireless solution operates on 3 batteries

Package includes:

- Wireless 29dB headphones (over-ear)...uses 2 battery packs
- Wireless airtube/earbud assembly (in-ear)...uses 1 battery pack
- Disposable 29dB earbud inserts, 125 pair (250/box)
- Battery charging dock (can wall mount or desk; charges up to 4 batteries in under 6 hours)
- Audio cable, 3.5mm
- (3) Individual Li-Po 3.7V Battery Packs (rated for 12 hours continuous use)
- Transmitter and console interface - wall-mounted transmitter including couplers for penetration panel (2.4 GHz ISM band)
- Audio Source - Amazon® Fire® tablet, tablet stand, tablet lock, and (2) speakers

GE MRI compatibility:

Compatible with all MRI systems including Creator/Explorer v25.3 and Pioneer hardware v26.1

Line	Qty.	Catalog	
	1.00	E8800XH	Neocoil Individual battery packNeoCoil Individual Li-Po 3.7V Battery Pack for Sentinel G1

- Removable battery pack for use with NeoCoil wireless system
- Rechargeable Li-Po 3.7 V
- 1000 mAh

- 12 hours of continuous use
- Complete system (E8800XA and E8800XK) already includes this item
- Expected life of approximately 1 year

Line	Qty.	Catalog	
	1.00	E8822JB	Sanitary Covers for Headset - 1000/Box

Sanitary covers for audio headsets. Packaged 1000 units per box.

Line	Qty.	Catalog	
	1.00	E8911CA	Dimplex MR Heat Exchanger 70kW – Standard Ambient Temp

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 Discovery 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 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 rooftop mounted

SPECIFICATIONS

- Net Cooling Capacity: 70 kW / 30 Ton
- Maximum Coolant Flow: 35 gpm (132 l/m)
- Coolant Outlet Temperature: 48 OF (8.9 OC)
- Coolant Temp Stability: 1 1.80F (11.00C)
- Max Coolant Pressure : 70 Psi (4.8 Bar)
- Refrigerant: R407C
- Ambient Temp Range: -20 to 1200F (-30 to 500C)
- 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 Discovery MR450 1.5T MR system
- GE Discovery MR750 3.0T MR system NOTE: Item is NON-RETURNABLE and NON-REFUNDABLE

Line	Qty.	Catalog	
	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 NOTE: Item is NON-RETURNABLE and NON-REFUNDABLE

Line	Qty.	Catalog	
	1.00	E8819TC	Expression MR400 Patient Monitor Basic + O2 and Anesthetic agents and blood pressure and temp

Expression Patient Monitor (MR400): 15 inch Widescreen Touchscreen interface, MRI Rating 5,000 gauss 4W/kg SAR 3.0T, 8-Hour Smart Battery Technology, 3rd-Gen Wireless ECG with Advanced Filters, 3rd-Gen Wireless Pulse Oximetry (SpO2) with Perfusion Index, Single-Lumen Non-Invasive Blood Pressure (NIBP), CO2 monitoring with Respiration Rate, Wired and wireless gating with MRI systems, and Multi-priority alarm system with CDS.

All parameters support Adult, Pediatric, Infant and Neonatal applications. 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, respiration monitoring, dual anesthetic agent detection, O2 monitoring, invasive blood pressure (2 channel), and body/surface temperature. Includes all standard accessories: hardware accessories, and reusable and disposable accessories for 20 Adult and Pediatric patients.

Line	Qty.	Catalog	
	1.00	E8819TE	Wireless IP5 control room display with antenna

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.

Line	Qty.	Catalog	
	1.00	E8819TF	Printer kit, strip chart with USB for IP5 display

Printer kit, strip chart with USB, and North American line cord for IP5 display.

Line	Qty.	Catalog	
	2.00	E8802MC	MR Signa Wide Security Straps

Wide security strap set - includes one strap with Velcro and one strap with plastic buckle; 14 in. wide. For use with GE Signa MR systems.

Line	Qty.	Catalog	
	2.00	E8802MD	MR Signa Narrow Security Straps

Narrow security strap set - includes one strap with Velcro and one plastic buckle; 6 in. wide. For use with GE Signa MR systems.

Line	Qty.	Catalog	
	1.00	E4504FP	Eaton Single Phase 700 VA Partial UPS (MR package)

Using an uninterruptible power supply (UPS) can help improve user productivity and system reliability, as well as reduce service costs and increase system uptime.

Combining reliable double-conversion topology, internal static bypass and an easy-to-ready LCD menu display, the Eaton 9SX UPS provides the highly efficient and reliable power you expect from a 9-series UPS in a convenient tower form factor.

Applications

The Eaton® Single Phase 9SX 700 VA Partial UPS package is designed to support a variety of GE MR imaging systems. When Catalog# E4504FP is used with MR SIGNA™ Voyager, SIGNA Pioneer and SIGNA Premier systems, the configuration requires ordering a specific power cable (catalog# E4504FN).

Maintain productivity, improve reliability

Reliable power for critical systems

The 9SX offers the robust double-conversion, online power protection needed for medical, light industrial, automation and mission critical IT applications. With zero transfer time to battery, continuous filtering of power, and an internal, automatic static bypass, the 9SX ensures performance and compatibility.

- * Maintains system's host computer and operator's workstation power for ~8 minutes after loss of power
- * Minimizes loss of data
- * Provides clean constant voltage power
- * Host computer and operator's workstation electronics unaffected by under voltage, brownouts, line sags, over voltage, transients, periodic emergency generator testing or automatic transfer switch operation
- * Host computer and operator's workstation electronics protected from utility power factor capacitor switching spikes and ring waves
- * Host computer and operator's workstation electronics protected from utility re-closer operations common during thunderstorms
- * Regulates output voltage to meet and exceed system electronics requirements
- * Allows time for an orderly system shutdown in the event of an extended power outage
- * Reduces maintenance costs
- * Helps increase system uptime
- * Suitable for engine generator applications

- * Suitable for mobile applications (other optional equipment may be needed)
- * Installation of the UPS by GE
- * 1-year warranty on parts and labor

Increased battery life

- * Advanced battery management to extend battery life and provide advanced notice before batteries fail
- * Batteries are hot-swappable

More control

- * Automate power delivery by utilizing switchable, programmable outlets
- * Programmable signal input through the RPO port also enables the UPS to change operating modes in reaction to external events

Advanced LCD interface

- * Simplify UPS monitoring with Eaton's advanced LCD display
- * Easy access to UPS alarm history, energy logs, unit serial numbers and firmware versions enable first time issue resolution right at the source
- * Eight user-selectable languages ensure success for global deployments

Specifications

- * Power: 700 VA / 630 W
- * Input connection: 5-15P, eight feet long
- * Output receptacles: (5) 5-15R
- * Dimensions (H x W x D, in. / mm): 9.9 x 6.3 x 13.9 / 252 x 160 x 357
- * Weight (lb. / kg): 26.5 / 11.5

General

- * Topology: Double-conversion, online
- * Configuration: Tower
- * Color: Black and silver
- * Diagnostics: Full system self-test at power up, ABM battery test every 30 days
- * Warranty: 1 year on electronics and battery
- * Remote power off: Remote On/Off (ROO) and Remote Power Off (RPO) rear terminal blocks
- * Contents: UPS, Safety guide, Quick Start Guide, Reference Guide, RS-232 serial cable, USB cable

Electrical input

- * Nominal voltage: 120V default (100/110/120/125V)
- * Input voltage range: Full load: 100-138V, ?25% load: 60-144V
- * Frequency: 50/60 Hz
- * Frequency range: 60 Hz: 50-70 Hz, 50 Hz: 40-60 Hz
- * Input power factor ? .99
- * Input current distortion ? 8%

Electrical output

- * Power rating: 700VA / 630W
- * Circuit breaker: None
- * Nominal voltage: 120V default (100/110/120/125V)
- * Output voltage regulation, steady state: $\pm 2\%$ nominal mode
- * Output voltage THD (online): Linear: $< 3\%$
- * Power factor: 0.9
- * Efficiency (online mode with resistive load): 87%
- * Transfer time: 0 ms

Communications

- * User interface: Graphical display, UPS status in a single view.
- * LEDs: 4 status-indicating LEDs
- * Communication ports: RS-232 (RJ45) ports; USB port as standard (HID). 6-foot RS-232 and USB cables included

Environment & standards

- * Operating temperature: 0 to 40 °C (32 to 104 °F) in Online mode, with linear derating for altitude
- * Storage temperature: 0 to 35 °C (32 to 95 °F); without batteries: -25 to 55 °C (-13 to 131 °F)
- * Relative humidity: 0 to 96% non-condensing
- * Altitude operating temperature range: UP to 3,000 meters (9,843 ft) above sea level, no derating for 35 °C (95 °F) room temperature
- * Audible noise: < 50 dBA at 1 meter typical
- * RoHS compliance: Yes
- * Safety conformance: UL 1778; IEC 62040-1
- * EMC: FCC Part 15 Class B; IEC 62040-2 C1 & C2
- * Markings: CE; cULus; NOM

- * Battery backup time: 5.8 min@ 630 W, 14 min@ 300W Notes:
- Customer is responsible for rigging UPS unit
- Item is non-returnable and non-refundable
- Removal/disposal of the old unit is the customer's responsibility

Line	Qty.	Catalog	
	1.00	E4504FN	Power cable for E4504FP MR Partial UPS used MR SIGNA™ Voyager, SIGNA Pioneer and SIGNA Premier systems

Application

E4504FN power cable is specific to MR SIGNA™ Voyager, SIGNA Pioneer and SIGNA Premier systems and is required when ordering E4504FP MR Partial UPS package. NOTES:

- Customer is responsible for rigging and arranging for installation with a qualified party
- ITEM IS NON-RETURNABLE AND NON-REFUNDABLE
- Removal/disposal of the old unit is the customer's responsibility.

Line	Qty.	Catalog	
	10.00	W0310ALL	TIP DAY OF APPLICATIONS TRAINING

A single day of applications training delivered at customer's site for any GE Healthcare Diagnostic Imaging system, Monday-Friday, 8am to 5pm. Customer will work with GE Healthcare to schedule appropriate times to deliver applications training. Training must be completed within 12 months from purchase.

Line	Qty.	Catalog	
	1.00	NI_MR_INSTALLATION	Rigging placeholder. \$20,000 is applied to 3rd-Party Rigging Services, as directed by Customer. Rigging (including excess/additional rigging costs) remains the Customer's responsibility. Unapplied rigging funds will be forfeited without refund or credit.

Total Quote Net Selling Price: \$2,192,064.33

If applicable, for more information on this devices' operating system, please visit GE Healthcare's product security portal at: <https://securityupdate.gehealthcare.com/en/products>

Trade-in Addendum to GE Healthcare Quotation

This Trade-In Addendum (“Addendum”), effective on June 30, 2021, between the GE Healthcare business identified on the Quotation and **Novant Health Forsyth Medical Center** (“Customer”), is made a part of Quotation # **2003902184.15** ^ dated June 30, 2021 (“Quotation”) and modifies it as follows:

A. Customer: (i) certifies that it has full legal title to the equipment and/or mobile vehicle (“mobile vehicles” are defined as any systems requiring a vehicle title) listed in Section E (“Trade-In Equipment”), free and clear of all liens and encumbrances; (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 (mobile vehicles will not be removed from Customer site until GE Healthcare has received a clean title signed over to GE Healthcare); and (iii) affirms that the Trade-In Equipment has never been used on or to provide care to animals. If GE Healthcare removes the Trade-In Equipment, it will do so at its expense at a mutually agreed time. Trade-In Equipment shall be removed no later than thirty days following installation of Customer’s new system, unless explicitly otherwise agreed to by the parties in writing.

Mobile vehicles must include the VIN# on this trade-in addendum: VIN# [insert Vin #]. Mobile vehicles must have a valid DOT sticker and be road worthy at the time GE Healthcare is to take possession of them in order for GE Healthcare to accept a mobile vehicle on trade-in. Any and all logos or hospital affiliation stickers must be removed (outside and inside) by Customer and Customer shall clean the mobile vehicle of all debris and medical supplies prior to removal of the mobile vehicle by GE Healthcare.

B. Customer is responsible for: (i) providing timely, unrestricted access to the Trade-In Equipment in a manner that affords GE Healthcare, or third-party purchaser of the Equipment through GE Healthcare, the ability to complete Equipment inspection and testing, and the ability to complete an operating system back-up prior to de-installation within the timeframe required by GE Healthcare or said third-party purchaser, 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 expressly 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 in its sole discretion reduce the trade-in amount or decline to purchase the Trade-In Equipment and adjust the total purchase price of the Quotation accordingly if: (i) the terms of this Addendum are not met; (ii) Customer fails to provide access to the Trade-In Equipment as required herein; or (ii) the Trade-In Equipment is missing components or is inoperable and/or non-functioning when removed or returned – Customer is required to confirm for GE Healthcare the operability of the Trade-In Equipment prior to the deinstallation of the Equipment. All other terms and conditions of the Quotation remain in full force and effect.

E. Trade-In Equipment:

Trade-In Equipment Mfr.	<u>Model & Description</u>	<u>Quantity</u>	System ID*	Trade-In Amount (\$)
	Siemens - Avanto Trade-in	1.00	IMV_MR_12199_Sep-02-14_1	\$ -70,000.00

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# _____)†.

Novant Health Forsyth Medical Center

GE Healthcare

Signature: _____

Signature: _____

Print Name: _____

Print Name: _____

Title: _____

Title: _____

Date: _____

Date: _____

Quotation

Sales Support
tel (800) 633-7231
fax (412) 406-0952
radiologysolutions.bayer.com

Bayer HealthCare LLC
1 Bayer Drive
Indianola, PA 15051



Quote No. Q-00047893

This quotation has been prepared for: **FORSYTH MEDICAL CENTER**

Issued on 6/7/2021

Valid until 9/6/2021

Trade-in required Yes

Your Bayer Sales Team:

Lauren Baker, , lauren.lee-baker@bayer.com

Quotation Overview

VIZIENT RADIOLOGY - NEW Pricing Applied

Bayer's diagnostic imaging products, software, and equipment service help healthcare teams in radiology address their critical performance, quality, uptime, and scheduling requirements.

Please note: If pricing and terms of this [order/quote] are based upon your current Group Purchasing Organization (GPO) affiliation, any change to your current affiliation may require a new quote or updated terms and pricing.

>See Products and Services Details in this quote , or refer to your invoice, for an itemized breakdown of quoted products.

Imaging Products and Services

Product Name	YOUR PRICE
MRXperion - Medrad® MRXperion™ MR Injection System(s) and Related Products/Services	\$33,995.00
TOTAL (Local taxes, shipping and/or handling to be invoiced when applicable)	\$33,995.00

ATTACHMENT B

Projected Capital Cost Form
NH Forsyth Medical Center MRI Replacement

Building Purchase Price	\$	-
Purchase Price of Land	\$	-
Closing Costs	\$	-
Site Preparation	\$	-
Construction/Renovation Contract(s)	\$	682,000
Furniture	\$	-
Architect / Engineering Fees	\$	49,400
Medical Equipment (MRI & Injector)	\$	2,226,059
Non-Medical Equipment (RF Shield)	\$	91,665
Trade-In & Removal	\$	70,000
Information Technology (IT)	\$	5,500
Financing Costs	\$	-
Interest during Construction	\$	-
Other: Contingency	\$	77,367
Total Capital Cost	\$	3,201,991

CERTIFICATION BY A LICENSED ARCHITECT OR ENGINEER

I certify that, to the best of my knowledge, the projected construction costs for the proposed project is complete and correct.

Nelson C. Snygg

Date Signed: 6/30/2021

Signature of Licensed Architect or Engineer

CERTIFICATION BY AN OFFICER OR AGENT FOR THE PROPONENT

I certify that, to the best of my knowledge, the projected total capital cost for the proposed project is complete and correct and that is our intent to carry out the proposed project as described.

DocuSigned by:

9BCFAC883516459...

Date Signed: 07/14/2021 | 11:16:53 EDT

Signature of Officer/Agent

Senior Vice President, Real Estate & Construction, Novant Health, Inc.

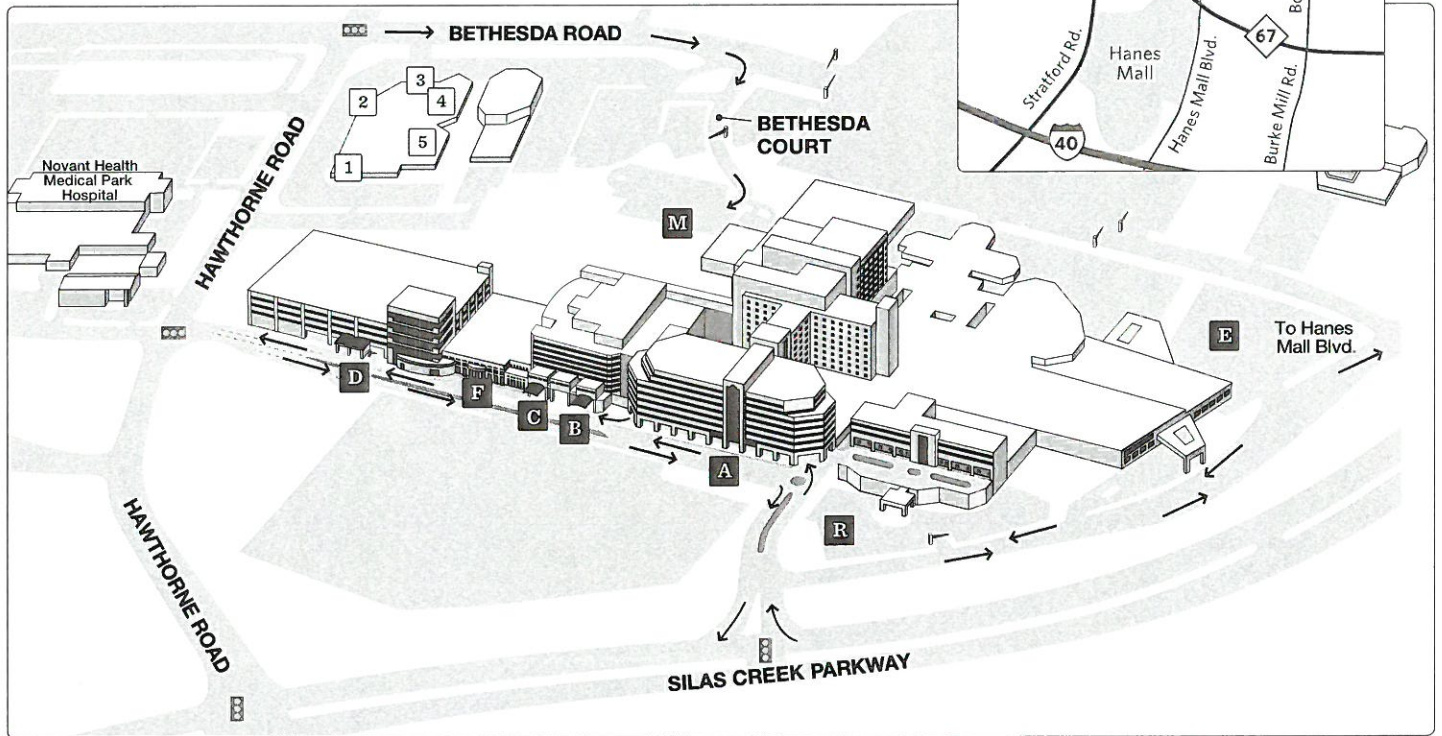
Title of Officer/Agent

ATTACHMENT C



Campus map

Novant Health Forsyth Medical Center



Entrance A

- Administration
- Cashier/business office
- EKG
- Endoscopy lab
- EOPS
- Lab services
- Outpatient day center
- Patient registration
- Radiology
- SPPU (Day of surgery)
- Valet parking

Entrance B

- All registration from 7 p.m.-5:30 a.m. and weekends (after 5:30 a.m.)*
- Birthing center
 - Community rooms
 - Gyn anesthesia unit
 - Gyn surgery
 - Prenatal care
 - Novant Health Maya Angelou Women's Health & Wellness Center
 - Valet parking

Entrance C

- Cardiac procedures
- Preanesthesia visits
- Valet parking

Entrance D

- Handicapped
- Public parking deck

Entrance E

- Emergency Services

Entrance F

- Conference center

Entrance M

1010 Bethesda Court
Winston-Salem, NC 27103

- Novant Health Cancer Center
- Patient parking (Radiology and Cancer Center only)
- PET/CT, nuclear medicine & MRI
- Novant Health Imaging
- Novant Health Oncology Specialists
- Valet parking

Entrance R

- CHF clinic
- Infant audiology
- Heart & Wellness
- Rehabilitation services
- Wellness programs

- 1 Novant Health Hawthorne Outpatient Surgery
- 2 Novant Health Rehabilitation Center
- 3 Novant Health Wound Care
- 4 Forsyth Nutrition Center
- 5 Salem Room

3333 Silas Creek Parkway, Winston-Salem, NC 27103 • 336-718-5000 • NovantHealth.org

ATTACHMENT D

All responses should pertain to October 1, 2019 through September 30, 2020.

Winston-Salem Hospital Campus

Instructions for Hospitals with multiple campuses: For MRI Services, (Sections 10b-10e, pp 17-18), do not provide cumulative/combined data for all campuses. Provide data for individual campuses only.

b. MRI Procedures

Indicate the number of procedures performed on MRI scanners (units) operated during the 12-month reporting period at your facility. For hospitals that use equipment at multiple sites/campuses, please copy the MRI pages and provide separate data for each site/campus. Campus – if multiple sites: NH FMC only

Procedures	Inpatient Procedures*			Outpatient Procedures*			TOTAL Procedures.
	With Contrast or Sedation	Without Contrast or Sedation	TOTAL Inpatient	With Contrast or Sedation	Without Contrast or Sedation	TOTAL Outpatient	
Fixed	2,115	4,301	6,416	1,251	3,101	4,352	10,768
Mobile (performed only at this site)							
TOTAL**	2,115	4,301	6,416	1,251	3,101	4,352	10,768

* An MRI procedure is defined as a single discrete MRI study of one patient (single CPT-coded procedure). An MRI study means one or more scans relative to a single diagnosis or symptom.

** Totals must be greater than or equal to the totals in the MRI Patient Origin Table on page 30 of this application.

Note: Healthcare Planning and Certificate of Need may request CPT codes for MRI procedures if further clarification is needed.

c. Fixed MRI Scanners

Indicate the number of MRI scanners (units) operated during the 12-month reporting period at your facility. For hospitals that operate medical equipment at multiple sites/campuses, please copy the MRI pages and provide separate data for each site/campus. Campus – if multiple sites: NH FMC

Fixed Scanners	Number of Units
Number of fixed MRI scanners-closed, including open-bore scanners (do not include any Policy AC-3 scanners)	3
Number of fixed MRI scanners-open (do not include any Policy AC-3 scanners)	
Number of Policy AC-3 MRI scanners used for general clinical purposes	
Total Fixed MRI Scanners	3 *

Number of grandfathered fixed MRI scanners on this campus: 2

For questions, please contact Healthcare Planning and Certificate of Need at 919-855-3873.

CON Project ID numbers for all other fixed MRI scanners on this campus: _____

G-6598-02 ; G-6962-03

* 3rd MRI became operational 6/1/2020. Moved via exemption letter from Novant Health Imaging Winston Salem Health Care to Forsyth Medical Center

ATTACHMENT E

EQUIPMENT COMPARISON

<i>NH Forsyth Medical Center MRI Scanner Replacement</i>	EXISTING EQUIPMENT	REPLACEMENT EQUIPMENT
Type (e.g., Cardiac Catheterization, Gamma Knife®, Heart-lung bypass machine, Linear Accelerator, Lithotripter, MRI, PET, Simulator, CT Scanner, Other Major Medical Equipment)	MRI Scanner	MRI Scanner
Manufacturer	Siemens	GE
Model number	Avanto 1.5T	Premier 3.0T
Other method of identifying the equipment (e.g., Room #, Serial Number, VIN #)	Serial # 400-152186	Serial # TBD
Is the equipment mobile or fixed?	Fixed	Fixed
Date of acquisition	2005	TBD
Was the existing equipment new or used when acquired? / Is the replacement equipment new or used?	New	New
Total projected capital cost of the project <Attach a signed Projected Capital Cost form>	NA	\$3,201,991
Total cost of the equipment (MRI Scanner and Injector)	NA	\$2,226,059
Location of the equipment <Attach a separate sheet for mobile equipment if necessary>	Radiology	Radiology
Document that the existing equipment is currently in use	LRA Excerpt Attached	NA
Will the replacement equipment result in any increase in the average charge per procedure ?	No	No
If so, provide the increase as a percent of the current average charge per procedure	NA	NA
Will the replacement equipment result in any increase in the average operating expense per procedure ?	NA	No
If so, provide the increase as a percent of the current average operating expense per procedure	NA	NA
Type of procedures performed on the existing equipment <Attach a separate sheet if necessary>	MRI Scans	MRI Scans
Type of procedures the replacement equipment will perform <Attach a separate sheet if necessary>	NA	MRI Scans

Date of last revision: 5/17/19