

**From:** [Hill, Richard W.](#)  
**To:** [Fick, Mackinzey](#)  
**Subject:** RE: CON Application Review  
**Date:** Wednesday, November 13, 2024 9:40:15 AM  
**Attachments:** [6157 HS - Updated Siemens Quote - 11-13-24 \(02655460x7A478\).PDF](#);  
[6157 HS - Updated Varian Quote - 11-13-24 \(02655458x7A478\).PDF](#)

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Mackinzey:

Both quotes will be valid at the time of CON approval. Please see attached updated quotes which are valid through February 2025.

Thanks!

Rich

RICHARD W. HILL  
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Licensed in Missouri

**LASHLY & BAER, P.C.**

*Attorneys at Law*

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**Please consider the environment before printing this email.**

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**From:** Fick, Mackinzey <Mackinzey.Fick@health.mo.gov>  
**Sent:** Friday, November 8, 2024 4:03 PM  
**To:** Hill, Richard W. <RHill@lashlybaer.com>  
**Subject:** CON Application Review

Rich,

After review of application #6157 HS, some additional information is needed.

- The Varian quote is dated valid until 12/14/24. Will this still be valid at the time of CON approval?
- The Siemens quote is dated valid until 12/31/24. Will this still be valid at the time of CON approval?

**This information is needed by Monday, November 18<sup>th</sup>, 2024.**

## *Mackinzey Fick*

Assistant Program Coordinator, Certificate of Need

Department of Health and Senior Services

920 Wildwood Drive, P.O. Box 570

Jefferson City, MO 65102

OFFICE: 573-751-6403

FAX: 573-751-7894

EMAIL: [mackinzey.fick@health.mo.gov](mailto:mackinzey.fick@health.mo.gov)

<http://health.mo.gov/information/boards/certificateofneed/index.php>

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Siemens Medical Solutions USA, Inc.  
40 Liberty Boulevard, Malvern, PA 19355

**SIEMENS REPRESENTATIVE**  
Megan Caldwell - +1 (816) 308-3340  
megan.caldwell@siemens-healthineers.com

**PRELIMINARY PROPOSAL**

Customer Number: 0000010874

Date: 11/12/2024

**UNIVERSITY OF KANSAS HOSPITAL AUTHORITY**  
2529 Glenn Hendren  
Liberty, MO 64068

Siemens Medical Solutions USA, Inc. is pleased to submit the following quotation for the products and services described herein at the stated prices and terms, subject to your acceptance of the terms and conditions on the face and back hereof, and on any attachment hereto.

<u>Table of Contents</u>	<u>Page</u>
SOMATOM go.Open Pro (Quote Nr. CPQ-465548 Rev. 11) .....	2

**Contract Total: 836,520 USD**  
*(total does not include any Optional or Alternate components which may be selected)*

Proposal valid until 2/14/2025

This non-binding proposal is provided to **University of Kansas Hospital Authority** ("Customer") at Customer's request for internal processing. Customer executed the purchase of the equipment quoted herein via acceptance and signature of CPQ-465548 Rev. 11 in a combined meta quote together with CPQ-973441, CPQ-916189, CPQ-543121, CPQ-919428, and CPQ-836140 on December 28, 2023. The provision or Customer's acceptance of this document does not change or alter any terms or conditions of the originally accepted and agreed purchase agreement as outlined above.

This Quotation is specific to **University of Kansas Hospital Authority** and contains information which is confidential and proprietary to Siemens, including but not limited to discounts and pricing. The Customer may not distribute or disclose this quotation or any portion hereof to, or discuss any of the information (including pricing) contained herein with, any other customer or consultant, buying group, or other third party.

This order is contingent upon CON approval from the State of Missouri. If CON approval is not granted, customer may cancel this order without penalty. Upon receipt of CON approval from the State, please notify Siemens in writing so that equipment delivery can be scheduled.

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**PRELIMINARY PROPOSAL**

**Quote Nr:** CPQ-465548 Rev. 11

**Terms of Payment:** 00% Down, 80% Delivery, 20% Installation  
Free On Board: Destination

**Purchasing Agreement:** VIZIENT SUPPLY LLC

VIZIENT SUPPLY LLC terms and conditions apply to Quote Nr CPQ-1224063

Customer certifies, and Siemens relies upon such certification, that : (a) VIZIENT CT - XR0676 is the sole GPO for the purchases described in this Quotation, and (b) the person signing this Quotation is fully authorized under the Customer’s policies to choose and indicate for Customer such appropriate GPO.

**SOMATOM go.Open Pro**

All items listed below are included for this system:

Qty	Part No.	Item Description
1	14487372	<p><b>SOMATOM go.Open Pro</b></p> <p>Precision medicine, curative intent, and hypofractionated treatments hold enormous potential for patients. Yet they are only possible if the treatment planning data are precise. Many patients with conditions that present major challenges miss out on the benefits because current CT simulation cannot manage individual complexities. By harnessing the power of its detector width, high soft-tissue contrast, and intelligent real-time breathing adaptation the SOMATOM go.Open Pro delivers images for confident treatment planning.</p> <p>SOMATOM go.Open Pro is a single, integrated software and hardware solution that covers the entire CT simulation process. This streamlined solution was created to reduce errors in a complex workflow to potentially reduce time to treatment. It simplifies your tasks and reduces the likelihood of errors, allows to shorten your workflow and save time to focus on what matters most: your patient.</p> <p>Package includes</p> <ul style="list-style-type: none"> <li>- 0.5, 1.0 s rotation time</li> <li>- 60cm scan FOV</li> <li>- Stellar Detector</li> <li>- 128 slices (reconstructed)</li> <li>- 85 cm bore size</li> <li>- 75 kW (equivalent to 187 kW with SAFIRE)</li> <li>- Athlon X-ray tube</li> <li>- Adaptive Dose Shield</li> <li>- Tin Filter</li> <li>- Air cooling system</li> <li>- Ring mood lighting</li> <li>- Patient observation camera</li> <li>- 24" / 60 cm flat screen monitor</li> <li>- External USB 3.0 disks support</li> <li>- syngo System Security</li> <li>- wired Remote Scan Control</li> <li>- Water phantom</li> </ul>
1	14486738	<p><b>VT Identifier SRS</b></p>

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**PRELIMINARY PROPOSAL**

Qty	Part No.	Item Description
1	14487362	<p>Smart Remote Service (SRS) is a secured data link that connects your medical system to Siemens service experts. Via SRS, the performance and condition of your equipment can be monitored in real time. SRS makes a broad range of proactive and interactive services available.</p> <p>A VPN connection is to be provided by user.</p> <p>The Customer agrees to allow connection to Siemens' remote service diagnostic equipment to the secured telecommunications link at his own expenses. The Customer bears the cost of any technical requirements for any such connection over and beyond the actual product (e.g. establish a broadband connection).</p> <p><b>syngo CT VB10</b></p>
1	14486814	<p><b>VT syngo Expert-i</b></p> <p>Expert-i enables the physician to interact with the syngo Acquisition Workplace from virtually anywhere in your hospital.</p>
1	14486767	<p><b>VT CARE Contrast III</b></p> <p>CARE Contrast is an integrated solution for a simplified bolus injector coupling due to synchronized scanning and contrast injection.</p>
1	14487379	<p><b>RT Performance Package</b></p> <p>Benefit from additional operational and clinical flexibility by configuring your CT simulator with the RT Performance package, a bundle of software and hardware options to boost your performance.</p> <ul style="list-style-type: none"> <li>- go.Ultra Computers</li> <li>- High-speed rotation time 0.35 s</li> <li>- High Power 70</li> <li>- 10kV Steps</li> <li>- HD FOV (up to 85cm)</li> <li>- SAFIRE</li> <li>- CT View&amp;GO</li> <li>-Sim&amp;GO</li> <li>-Beam Placement tools</li> <li>-Contouring tools</li> <li>-Patient marking tools</li> <li>- Vessel Extension</li> <li>- Endoscopic View</li> <li>- Diameter / WHO Area</li> <li>- Lung Lesion Segmentation</li> <li>- ROI HU Threshold</li> <li>- Spine Ranges</li> <li>- Check&amp;GO</li> <li>- Metal Detection</li> <li>-Recon&amp;GO:</li> <li>-Inline Anatomical Ranges</li> <li>-Inline Table Removal</li> <li>-Inline Bone Removal</li> <li>-Inline Vessel Ranges</li> <li>-Inline Spine Ranges</li> <li>-Inline Rib Ranges</li> <li>-Multi Recon</li> <li>- SureView</li> <li>- WorkStream4D</li> <li>- Adaptive Signal Boost</li> <li>- FAST CARE</li> <li>- CARE kV</li> <li>- 10 kV steps</li> <li>- CARE Child</li> <li>- CARE Dose 4D</li> <li>- CARE Topo</li> <li>- CARE Profile</li> <li>- CARE Filter</li> </ul>

**PRELIMINARY PROPOSAL**

Qty	Part No.	Item Description
		<ul style="list-style-type: none"> <li>- CARE Bolus CT</li> <li>- X-CARE</li> <li>- FAST 4D</li> <li>- FAST Planning</li> <li>- FAST Adjust</li> <li>- FAST Contact</li> <li>- FAST ROI</li> <li>- DynSerio Scan</li> <li>- syngo System Security</li> <li>- myExam Companion</li> <li>- Interleaved Volume Reconstruction (IVR)</li> </ul>
1	14486724	<p><b>VT 2nd Control-room Monitor</b> 2nd Control-room Monitor</p>
1	14487377	<p><b>Wireless edition</b> Including Scan&amp;GO Tablet and wireless Remote Scan Control</p>
1	14487387	<p><b>Docking Station</b> Docking station hardware for the tablet and the remote control.</p> <p>Item includes:</p> <ul style="list-style-type: none"> <li>- Mechanic docking station</li> <li>- Docking station stand</li> <li>- Power adaptor</li> </ul>
1	14486802	<p><b>VT Additional Scan&amp;GO tablet</b> Additional Scan&amp;GO tablet</p>
1	14486853	<p><b>VT UPS</b> UPS. An uninterrupted power supply, for the syngo Acquisition Workplace in the event of network fluctuations and brief power failures.</p>
1	14486749	<p><b>VT Long Patient Table RT</b></p> <ul style="list-style-type: none"> <li>- Fully TG-66 compliant over the full scan range (without table extension)</li> <li>- Max. table load 307 kg / 676 lbs</li> <li>- Max. table feed speed 1-200 mm/s</li> <li>- Vertical table travel range 47.5-90 cm / 18.7"-35.4" (at table top)</li> <li>- Vertical travel speed 28.3 mm/s</li> </ul> <p>Scannable range up to 200 cm/78.7"</p> <ul style="list-style-type: none"> <li>- For RT use, the scan range may vary according to RTP overlay and/or 3rd party accessory. The scan range with the Siemens Healthineers Multi-index RTP overlay is 175cm / 69".</li> <li>- For diagnostic use, the scan range can be achieved with Diagnostic table extension. (Diagnostic table extension is not compatible with RT overlays)</li> <li>- Positioning mattress</li> <li>- Restraining straps</li> <li>- RTP excellence package</li> </ul> <p>The RTP excellence kit contains a high accuracy installation and adjustment procedure utilizing additional installation tools and a special laser QA phantom to optimize the accuracy of the system.</p>
1	14486752	<p><b>VT Foot Switch for Pat.Table control</b> Foot switch for Patient table control</p>
1	14486778	<p><b>VT Table Accessory Set</b> More table accessories for further flexibility based on the clinical needs. Includes table side rails, storage box and infusion holder.</p>
1	14486756	<p><b>VT Direct Laser Steering</b> Direct Laser steering allows for integrated control of the moveable laser system, without the need of an additional workstation. This functionality is compatible with Siemens Direct Laser (integrated moveable laser system on the gantry and associated mobile patient marking workflow) and with select LAP laser systems.</p>
1	14486755	<p><b>VT Direct Laser</b></p>

**PRELIMINARY PROPOSAL**

Qty	Part No.	Item Description
1	14486765	<p>Siemens unique integrated moveable laser system allows you to control the patient marking workflow with the RT dedicated tablet and avoid unnecessary switching between different devices to enter laser coordinate. Direct Laser is directly integrated at the scanner gantry, enables less error prone patient marking for an optimized simulation process.</p> <p>Item includes: - Direct Laser - Direct Laser QA</p> <p><b>VT iMAR</b> The iMAR metal artifact reduction algorithm combines three successful approaches (beam hardening correction, normalized sinogram inpainting and frequency split). This allows to reduce metal artifacts caused by metal implants such as coils, metal screws and plates, dental fillings or implants. iMAR is compatible with extended FoV, the extended CT scale as well as the newest dose reduction feature. Along with the new algorithm comes the simple user interface of iMAR enabling easy reconstruction of clinical images with reduced metal artifacts.</p> <p>iMAR only requires to select the desired protocol from a drop down menu which contains the following type of implants: - Dental fillings - Neuro coil - Thoracic coil - Hip implants - Extremity implants - Pacemakers - Spine implants - Shoulder implants</p>
1	14486870	<p><b>VT Precision Matrix</b> The right image matrix size 1024x1024, 768x768 or 512x512 is automatically selected (without user interaction) depending on field-of-view for axial and 3D reconstructions; offering a balance between storage demand, reconstruction time and spatial resolution.</p>
1	14487365	<p><b>Respiratory Motion Management</b> The Respiratory Motion Management package provides all tools for 4D CT image acquisition and post-processing:</p> <ul style="list-style-type: none"> <li>- Various 4D CT acquisition modes and protocols accommodate for a wide range of respiratory patterns and workflows. Following functionalities are supported.</li> <li>- Up to 300 seconds scan time in respiratory motion management acquisition.</li> <li>- Supports retrospective modes including phase and amplitude reconstructions</li> <li>- Supports the automatic creation of             <ul style="list-style-type: none"> <li>- Average CT (tAverage)</li> <li>- temporal MiniIP (tMiniIP),</li> <li>- temporal MaxIP (tMaxIP)</li> <li>- the easy generation via reconstruction</li> </ul> </li> <li>- Quantitative 4D assessment of 3D tumor trajectory and amplitude and semi-automatic calculation of the midventilation phase</li> <li>- Contouring propagation to each phase via deformable registration</li> <li>- 8 series display</li> </ul> <p>Moreover, the Respiratory Motion Management package enables DirectBreathhold</p>

**PRELIMINARY PROPOSAL**

Qty	Part No.	Item Description
1	14486758	<p>to streamline Deep Inspiration Breath Hold (DIBH) CT simulations. DirectBreathhold automatically triggers the scan, offering potential support for cardiac toxicity. (Requires a gating device that can trigger the CT scanner, such as Anzai/RGSC).</p> <p><b>VT Direct i4D</b> During respiratory gated acquisitions, 75% of the patients breathe irregularly, which leads to artifacts. Direct i4D is Siemens Healthineers' answer to this untackled challenge. The intelligent sequential acquisition and reconstruction adapts to individual breathing pattern in real time under free breathing. With this solution we are able to reduce gap image artifacts up to 85%. Prerequisite: - Respiratory Motion Management. - Online mode required (Anzai or Varian RGSC gating system required)</p>
1	14486759	<p><b>VT Varian RGSC interface</b> Software license and cable to connect to Varian RGSC gating device</p>
1	14487366	<p><b>TwinSpiral Dual Energy</b> The accuracy of target delineation is limited by the lack of soft-tissue contrast on CT.</p> <p>TwinSpiral Dual Energy scan mode offers the possibility to acquire two consecutive spiral data sets at different energies and the two different kV levels with independent mAs modulation deliver a combination of both morphological and functional information within one examination. This new form of dual-energy acquisition uses Tin Filter to achieve optimal spectral separation and can help to improve tumor delineation and reduce target margins in RT Planning.</p>
1	14486854	<p>Including Inline Results enhancements specific for radiation therapy and Rho/Z reconstruction for material characterization used for advanced treatment planning.</p> <p><b>VT Computer Desk, height adjust 110V</b> The height adjustable table (710 mm to 1100 mm) supports optimal ergonomic working positions at the CT consoles. It allows users to switch between the dynamism of a standing desk and the comfort of a traditional desk.</p>
1	CTH_PM	<b>CTH Project Management</b>
1	CTH_STD_RIG_INST	<b>CTH Standard Rigging and Installation</b>
1	CTH_BTL_INST_ALL	<b>CTH Standard Rigging and Installation</b>
1	CTH_ADD_RIG_GING	<b>Additional Rigging CTH \$12,000</b>
1	CTH_ESS_LV2	<p><b>Essential Education Level 2 (CTH)</b> This Essential Education Bundle provides system training in a blended learning environment using training modules (typically 1 hour): - Clinical Education Specialist led online education consult and education planning/deployment up to 4 hours - Siemens PEPconnect online learning platform based education plan deployment / management - Online protocol development up to 25 protocols using SmartSimulator and physics commissioning/education for up to 4 hours - Online Seamless transition workshop for education of up to 6 users using SmartSimulators Essential Onsite Training Part 1 - Up to 24 hours of onsite education for up to 8 users - Essential Onsite Training Part 2 - Up to 16 hours of onsite education for up to 8 users - Additional Onsite Training - Up to 16 hours onsite training for up to 8 users for advanced RT CT imaging guided therapy and workflow techniques</p>



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**PRELIMINARY PROPOSAL**

Qty	Part No.	Item Description
		- Ongoing online instructor-led training subscription using SmartSimulators or Smart Remote Services for one year - PEPconnections supported on-going training and competency plan management This Educational offering must be completed by the later of (12) months from install end date or purchase date. If training is not completed within the applicable time period, Siemens Healthineers obligation to provide the training will expire without refund.
1	PSPD250480Y3 K	<b>Surge Protective Device (SPD)</b>
1	4SPAS014	<b>Low Contrast CT Phantom &amp; Holder</b>
1	SIE002002001	<b>RGSC Wall/Ceiling Mount Camera</b> Respiratory Gating for Scanners (RGSC) with ceiling or wall mounted camera  Features: •Monitors patient position during image acquisition in 3 motion axes •Provides session recording •The predictive filter monitors and predicts the patient's breathing •Patient coaching with audio and optional visual support •Includes five (5) marker blocks
1	SIE002003000	<b>VCD Option, without Couch Mount</b> Visual Coaching Device option (VCD), without couch mount  Features: •Visual Coaching Device (VCD) monitor to assist patient to achieve a steady and predictable breathing pattern •VCD connects to the RGSC system wirelessly and supports all image acquisition modes, including breath-hold
1	SIE002004003	<b>VCD Couch Mount for Civco UCT</b> Visual Coaching Device (VCD) couch mount hardware upgrade for Civco Universal Couchtop™ (UCT)
1	BISI2_WINSTAL L	<b>Bayer ISI2 Interface, w/ Install</b> Bayer ISI2 Interface enables CAN III networking between Siemens CT system and Bayer Stellant injector. Requires appropriate Siemens' CT system functionality (i.e. CareContrast).  This part number includes a separate visit by a Bayer Service engineer to install the ISI interface (when a customer is using an injector already onsite).

**System Total 836,520 USD**

**Siemens Medical Solutions USA, Inc.**  
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### **PRELIMINARY PROPOSAL**

**FINANCING:** The equipment listed above may be financed through one of our financing partners. Ask us about our full range of financial products that can be tailored to meet your business and cash flow requirements. For further information, please contact your local Sales Representative.

Siemens Healthineers is pleased to submit this Preliminary Pricing Proposal. A Preliminary Pricing Proposal is provided for planning purposes only; it is not contractually binding. To receive a contractually binding proposal for the Products listed above, inclusive of Terms, Conditions, and Warranty coverage, please contact your Siemens Healthineers Sales Representative.

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A Siemens Healthineers Company

## Custom System Proposal

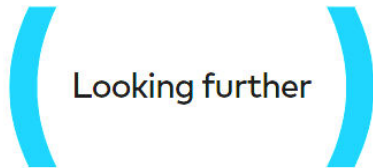
Quotation Number - 2024-478906-1

Governed by the Terms of the Master Agreement between Varian Medical Systems, Inc. and the University of Kansas Hospital Authority, effective July 2, 2019-July 1, 2022, and automatically renewing for 12-month terms thereafter (the "MA").

All pricing and configurations contained within quotations supplied to The University of Kansas Hospital Authority by Varian Medical Systems are confidential and only intended for The University of Kansas Hospital Authority. Disclosure or release to others outside of The University of Kansas Hospital Authority's network, either manually or electronically, without the prior written consent of Varian Medical Systems, is strictly prohibited.

Liberty will be a remote of HIT1921M

This order/quote is contingent on CON approval.



**University of Kansas Hospital Authority-Liberty  
("Customer")**

Darrin Kistler  
2529 Glenn Hendren Drive  
Liberty Missouri 64068 United States  
Tel : +1 913 -57 4-2305  
Fax : 913-274-3630  
Email : dkistler@kumc.edu

**Varian Medical Systems, Inc.**

Jesse Kruser  
District Sales Manager  
Work From Home  
Schiller Park , WI 99999 United States of America  
Tel : 6086406110  
Email : jesse.kruser@varian.com

\*\*\* Confidential - Proposal is intended for Recipient and Recipient's Site Representatives Only \*\*\*

**Quote Information**

Quotation Number : 2024-478906-1	Quotation Date : November 12, 2024	Quotation Valid Until : February 14, 2025
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Customer Requested Delivery Date : May 01, 2025

Customer Procurement Contact Name : Needed

Billing Plan	See Quote billing plan Summary on the following pages which is incorporated by reference
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**Sales**

Incoterms : DPU Site Insured

Payment Terms : 30 days net

Sales PO Required : No

**Quotation Total**

Quotation Total : US \$2,833,273.00

**Terms and Conditions**

**Products and Services:** Customer's access to and use of the Products, Support Services and Services (except Software-as-a-Service or Subscription Services) as indicated in this Quotation are subject to and governed by: (a) the Varian Terms and Conditions of Sale (Form RAD 1652) at: [https://varian.com/RAD1652V\\_US\\_EN\\_MAR\\_2024](https://varian.com/RAD1652V_US_EN_MAR_2024) and (b) any Schedules, Exhibits and/or additional terms (including third party terms) contained, attached, referenced or otherwise indicated in this Quotation. All terms and conditions provided in the website link listed in item (a) above are incorporated by reference and form part of the contract between Varian and Customer.

If there is a separate written agreement (e.g. master agreement) in effect between the parties that expressly provides for and governs the purchase and sale of the specific Products, Support Services, Services, Software-as-a-Service and/or Subscription Service set forth in this Quotation, such written agreement shall govern. Hard copies of the referenced terms and conditions and any additional terms indicated will be provided to Customer upon request.

**For and on behalf of Customer**

Authorized Representative :

Title :

Date :

**Varian Medical Systems, Inc.**

Authorized Representative :

Title :

Date :

# Billing Summary

Sales Summary	
Value	Billing
0.00%	On Down Payment
90.00%	On Shipment
10.00%	On Acceptance
For orders equal or less than \$100k, 100% upon shipment, net 30.	

# Quotation Summary

## Offered Products (Sales)

TrueBeam	Included
IDENTIFY Accessories (6 Months)	Included
Extended Warranty for TrueBeam (6 Months)	Included
Extended Warranty for IDENTIFY System	Included
ARIA OIS v18.0 Liberty Multi Site	Included
DICOM Worklist for CT - Liberty - go.Open Pro	Included
Reconfig hours for new location connection to EPIC Interfaces (placeholder need Mike to confirm)	Included
TPS Eclipse	Included

Item	Description	
<b>1.0</b>	<b>TrueBeam</b>	
1.1	<p><b>TrueBeam Base System 120 MLC</b></p> <p>Treatment delivery system includes 120 leaf MLC with dual independent jaws, enhanced dynamic wedge, 6 MV X-ray treatment energy, 43 cm x 43 cm MV imager for radiographic, cine, and integrated imaging, Motion View CCTV camera system, treatment console with integrated audio and video systems, back pointer lasers, front pointer set, upper port film graticule to support basic quality assurance, and drum phantom for Machine Performance Check (MPC).</p> <p><b>Features:</b></p> <ul style="list-style-type: none"> <li>• Basic X-Ray treatment delivery technique package, including Static Photon, Photon Arc, and Dynamic Conformal Arc treatment delivery techniques</li> <li>• Intensity Modulated Radiotherapy (IMRT) treatment technique, including large field IMRT</li> <li>• Total Body Treatment technique package</li> <li>• 2D MV Radiographic and Cine Image Acquisition, 2D/2D Radiographic Image Review and match, Cine image review</li> <li>• Relative Portal Dosimetry Image and Integrated Image Acquisition</li> <li>• Matching of 2D radiographs to 3D reference images</li> <li>• Online addition of kV and MV imaging protocols to treatment fields, with automated generation of reference images</li> <li>• Online Physician Approval of Images at Treatment Console (compatible with ARIA only)</li> <li>• Automated Machine Performance Check Testing, Online Machine Performance Check Review</li> <li>• Offline Machine Performance Check Review</li> <li>• Image only sessions</li> <li>• Unplanned Treatment Mode up to 5 fractions</li> <li>• Fraction number displayed on in-room monitor</li> <li>• Match environment layout for 2D/2D and 2D/3D layouts default to the 2-panel</li> <li>• Custom DRR templates that are created in Eclipse will be available on the TrueBeam Platform</li> <li>• Online access to a marketing kit that contains a broad range of advertising, educational, promotional, and public relations materials targeted to referring physicians, patients, and the media</li> <li>• Electronic Dynamic Wedges (EDW)</li> <li>• Large field IMRT</li> </ul> <p><b>Prerequisites:</b></p> <ul style="list-style-type: none"> <li>• ARIA oncology information system for radiation oncology v15.1 through v17.0, or ARIA OIS v18.0 or higher, or compatible third-party oncology information system</li> <li>• Eclipse treatment planning system v15.1 or higher, or compatible third-party treatment planning system</li> <li>• If third-party OIS: <ul style="list-style-type: none"> <li>• Authentication Server for third-party OIS (Hardware and Software) or</li> <li>• Authentication Server for third-party OIS (Software only)</li> </ul> </li> </ul> <p><b>Customer Responsibilities:</b></p> <ul style="list-style-type: none"> <li>• Verify compatibility with third-party oncology information systems if applicable</li> <li>• Verify compatibility with third-party treatment planning systems if applicable</li> <li>• If using a scale other than IEC 60601 or IEC 61217 in the rest of the department, it may be necessary to change scales on all other machines. This may require additional purchases.</li> </ul> <p><b>Notes:</b></p> <ul style="list-style-type: none"> <li>• Multiple patient name in Japan market is applicable for Kanji, Kana and Romaji characters to identify the patient</li> </ul>	1
1.2	<b>TrueBeam v4.1</b>	1
1.3	<p><b>Existing Baseframe 52" Fixed Floor</b></p> <p>Use of existing baseframe may require modification.</p>	1
1.4	<p><b>15/16 MV (BJR 11/17)</b></p> <p>40 cm x 40 cm maximum field size, dose rate range 0-600 MU/Min.</p>	1
1.5	<p><b>10/10 MV (BJR 11/17)</b></p> <p>40 cm x 40 cm maximum field size, dose rate range 0-600 MU/Min.</p>	1
1.6	<p><b>6/6 MV (BJR 11/17)</b></p>	1

Item	Description	
	40 cm x 40 cm maximum field size, dose rate range 0-600 MU/Min.	
1.7	<b>20 MeV, 0-1000 MU/Min</b>	1
	25 cm x 25 cm maximum field size, dose rate range 0-1000 MU/Min.	
1.8	<b>16 MeV, 0-1000 MU/Min</b>	1
	25 cm x 25 cm maximum field size, dose rate range 0-1000 MU/Min.	
1.9	<b>12 MeV, 0-1000 MU/Min</b>	1
	25 cm x 25 cm maximum field size, dose rate range 0-1000 MU/Min.	
1.10	<b>9 MeV, 0-1000 MU/Min</b>	1
	25 cm x 25 cm maximum field size, dose rate range 0-1000 MU/Min.	
1.11	<b>6 MeV, 0-1000 MU/Min</b>	1
	25 cm x 25 cm maximum field size, dose rate range 0-1000 MU/Min.	
1.12	<b>IGRT Couch Top</b>	1
	Image Guided RadioTherapy (IGRT) carbon fiber treatment couch top, free of metal or other radiation-opaque materials.	
	<b>Features:</b>	
	<ul style="list-style-type: none"> <li>• Indexed Immobilization® for compatible accessories</li> <li>• Couch top interface for mounting patient immobilization and quality assurance devices at the head of the couch</li> <li>• Lock bar for indexed positioning of equipment or immobilization devices on the couch top</li> <li>• Handrail for couch positioning, with hooks for temporary pendant placement during patient set up</li> </ul>	
1.13	<b>PerfectPitch 6DoF Couch</b>	1
	The PerfectPitch™ 6-Degrees of Freedom couch system	
	<b>Features:</b>	
	<ul style="list-style-type: none"> <li>• Image-based 6DoF patient positioning</li> </ul>	
	<b>Prerequisites:</b>	
	<ul style="list-style-type: none"> <li>• TrueBeam® v2.5 MR2 or higher</li> <li>• ARIA® oncology information system v11.1 MR1 (11.0.55) and ARIA radiation therapy management v11 MR3 (11.0.47) or higher or compatible third-party oncology information system</li> </ul>	
	<b>Customer Responsibilities:</b>	
	<ul style="list-style-type: none"> <li>• Verify compatibility of third-party oncology information system</li> </ul>	
1.14	<b>10X High Intensity Mode</b>	1
	40 cm x 40 cm maximum field size, dose rate range 400-2400 MU/min in 400 MU/min steps.	
1.15	<b>6X High Intensity Mode</b>	1
	40 cm x 40 cm maximum field size, dose rate range 400-1400 MU/Min in 200 MU/min steps.	
1.16	<b>Low-X Imaging Energy</b>	1
	Low-X imaging energy configuration, providing high soft tissue contrast when imaging in-line with the treatment beam.	
1.17	<b>RapidArc Treatment Delivery</b>	1
	RapidArc® Treatment Delivery is a volumetric modulated arc treatment delivery technique.	
	<b>Features:</b>	



Item	Description	
	<ul style="list-style-type: none"> <li>Simultaneous modulation of MLC aperture shape, beam dose rate, and gantry angle and rotation speed during beam delivery</li> <li>Supports dynamic jaw tracking and collimator rotation with supporting treatment planning system</li> </ul> <p><b>Prerequisites:</b></p> <ul style="list-style-type: none"> <li>120 Multi Leaf Collimator or HD120™ Multi Leaf Collimator</li> <li>Eclipse™ treatment planning system v11.0 or higher</li> <li>RapidArc treatment planning license</li> <li>Compatible server hardware and operating system. For detailed specifications, visit: <a href="http://www.varian.com/hardwarespecs">www.varian.com/hardwarespecs</a></li> </ul>	
1.18	<p><b>kV Imaging System</b></p> <p>kV Imaging system, providing 2D radiographic and fluoroscopic and 3D CBCT imaging capability</p> <p><b>Features:</b></p> <ul style="list-style-type: none"> <li>kV CBCT image acquisition, review, and match to 3D reference image</li> <li>Radiographic image acquisition, with 2D/2D and 2D/3D image matching to reference image</li> <li>Fluoroscopic image acquisition, with structure overlay on fluoroscopic images.</li> <li>kV CBCT image acquisition with a long field of view, provided by merging multiple indexed CBCT images online.</li> </ul> <p><b>Prerequisites:</b></p> <ul style="list-style-type: none"> <li>ARIA oncology information system for radiation oncology v15.1 through v17.0, or ARIA OIS v18.0 or higher, or compatible third-party oncology information system</li> <li>TrueBeam Platform v3.0 or higher</li> </ul> <p><b>Customer Responsibilities:</b></p> <ul style="list-style-type: none"> <li>Verify compatibility with third-party oncology information systems if applicable</li> </ul>	1
1.19	<p><b>Enhanced Triggered Imaging</b></p> <p>Automated intrafraction 2D kV radiographic imaging, with images triggered by respiration phase or amplitude, gantry angle, time period, or MU. Automated image-based beam hold on fiducial markers, based on user-defined marker motion thresholds.</p> <p><b>Features:</b></p> <ul style="list-style-type: none"> <li>Arbitrarily shaped fiducial detection for Auto Beam Hold (ABH)</li> </ul> <p><b>Prerequisites:</b></p> <ul style="list-style-type: none"> <li>TrueBeam® or Edge™ v4.0 or higher</li> <li>Advanced Respiration Motion Management System or Basic Respiration Motion Management System</li> </ul>	1
1.20	<p><b>Advanced Resp Motion Management System</b></p> <p>Advanced Respiratory Motion Management System is a stereoscopic optical system for managing patient respiration motion during treatment delivery and imaging.</p> <p><b>Features:</b></p> <ul style="list-style-type: none"> <li>Stereoscopic optical imager, including marker block for tracking patient respiration motion</li> <li>Respiratory gated treatment delivery</li> <li>Respiratory gated MV image acquisition and online review, respiration synchronized cine image acquisition and online review</li> <li>Respiratory gated kV image acquisition and online review, respiration synchronized fluoroscopic image acquisition and online review</li> </ul> <p><b>Prerequisites:</b></p> <ul style="list-style-type: none"> <li>TrueBeam®, VitalBeam, or Edge v2.7 and higher</li> <li>kV Imaging System</li> </ul>	1
1.21	<p><b>VCD Option, couch mounted</b></p> <p>Couch-mounted display system provides visual feedback to the patient for respiration stabilization or breath hold position during respiratory gated image acquisition or treatment delivery.</p> <p><b>Features:</b></p> <ul style="list-style-type: none"> <li>2 rechargeable batteries and charging system</li> <li>Video interface for optional use of customer-provided video goggles</li> <li>Wireless display system with adjustable count mount</li> </ul>	1

Item	Description	
	<p><b>Prerequisites:</b></p> <ul style="list-style-type: none"> <li>• TrueBeam® v2.7 or higher</li> <li>• One of the following: <ul style="list-style-type: none"> <li>• Advanced Respiratory Motion Management System</li> <li>• Basic Respiratory Motion Management System</li> <li>• Respiratory Motion Management System</li> <li>• Optical Imager</li> </ul> </li> </ul>	
1.22	<b>VCD w/Couch Mount - IGRT</b>	1
1.23	<p><b>Gated CBCT</b></p> <p>Gated Cone-Beam Computed Tomography (CBCT) provides the ability to acquire CBCT images synchronized with patient respiration (free-breathing or breath hold).</p> <p><b>Features:</b></p> <ul style="list-style-type: none"> <li>• Gated CBCT Imaging License</li> <li>• Short Arc CBCT Imaging License: CBCT image acquisition using a 120-150-degree arc, image review, and image match to respiratory gated reference image. Short arc CBCT can be used for single breath hold CBCT data acquisition.</li> </ul> <p><b>Prerequisites:</b></p> <ul style="list-style-type: none"> <li>• TrueBeam®, VitalBeam, or Edge v2.7 or higher</li> <li>• One of the following: <ul style="list-style-type: none"> <li>• Advanced Respiratory Motion Management System</li> <li>• Basic Respiratory Motion Management System</li> </ul> </li> <li>• kV Imaging System</li> </ul>	1
1.24	<p><b>Additional MotionView CCTV Camera System</b></p> <p>Additional set of two Motion View CCTV cameras and displays. Camera placement is at customer discretion.</p> <p><b>Features:</b></p> <ul style="list-style-type: none"> <li>• Two pan, tilt, zoom CCTV cameras</li> <li>• Two desktopLCD displays with built in camera controls</li> <li>• Adjustable viewing angle for patient privacy</li> <li>• Push button pan, tilt, zoom, and home position control</li> </ul> <p><b>Prerequisites:</b></p> <ul style="list-style-type: none"> <li>• Motion View camera system, provided with linac system.</li> </ul>	1
1.25	<p><b>Main Circuit Breaker Panel</b></p> <p>Main circuit breaker panel, interfacing to a single power input feed from the facility Mains. Circuit breakers provide independent over-current protection for equipment at the console and in the treatment room. UL and IEC/CE certified.</p>	1
1.26	<p><b>Power Cond., 3phase 50KVA</b></p> <p>Transtector 50KVA, 3-phase power conditioning unit, providing transient protection, line power regulation, and Input and Output circuit breakers for over-current protection. UL and IEC/CE certified.</p> <p><b>Notes:</b></p> <ul style="list-style-type: none"> <li>• Supports voltage configurations from 208 to 600 VAC and in 50 or 60 Hz for US and ROW applications.</li> </ul>	1
1.27	<p><b>CatPhan Phantom</b></p> <p>Phantom for measuring CBCT image contrast, spatial resolution, and uniformity.</p> <p><b>Features:</b></p>	1

Item	Description	
	<ul style="list-style-type: none"> <li>Modules for measuring CBCT image contrast, spatial resolution, and uniformity</li> </ul> <p><b>Prerequisites:</b></p> <ul style="list-style-type: none"> <li>kV Imaging system with CBCT</li> </ul>	
1.28	<p><b>Supp. Phantom Kit</b></p> <p>Supplemental imaging phantom kit for measuring resolution and contrast of kV and MV imaging systems.</p> <p><b>Features:</b></p> <ul style="list-style-type: none"> <li>Leeds TOR 18FG phantom for measuring spatial resolution and contrast of kV imaging system</li> <li>MV contrast phantom for measuring contrast performance of MV imaging system</li> <li>Geometric phantom, mounted on IGRT couch top-compatible lock bar. Can be used for quality assurance of image guidance workflow.</li> </ul> <p><b>Prerequisites:</b></p> <ul style="list-style-type: none"> <li>MV imaging system</li> </ul>	1
1.29	<p><b>Motion Management Interface</b></p> <p>Motion management interface is an integrated interface for validated external devices that provide patient positioning, patient and target motion monitoring, and/or respiratory gating. The Motion management interface supports connection of up to four external devices, two of which may be used for respiratory motion management or high speed beam hold.</p> <p><b>Features:</b></p> <ul style="list-style-type: none"> <li>4-DoF or 6-DoF patient positioning capability for compatible validated devices and couch configurations</li> <li>Integrated external device beam hold and image-based patient repositioning workflow</li> <li>Patient-specific external device activation and patient plan verification</li> </ul>	1
1.30	<p><b>NLS: English</b></p>	1
1.31	<p><b>STD TRNG: TB Platform On-Site</b></p> <p>The on-site review of the TrueBeam/Edge/VitalBeam components includes imaging and use cases for support of patient treatment for therapists. This support is to ensure that personnel who attended the classroom training are able to operate the TrueBeam Platform machine in a safe and effective manner in the clinical environment.</p> <p><b>Features:</b></p> <ul style="list-style-type: none"> <li>Includes support for TrueBeam/Edge/VitalBeam</li> <li>Offer is valid for 18 months after installation of product</li> </ul> <p><b>Prerequisites:</b></p> <ul style="list-style-type: none"> <li>TrueBeam Platform classroom trainings</li> </ul> <p><b>Notes:</b></p> <ul style="list-style-type: none"> <li>Training is non-refundable and non-transferable</li> </ul>	1
1.32	<p><b>STD TRNG: Two Day Follow Up</b></p> <p>Two Day Follow Up Training. This follow up training is conducted after the initial training has been completed to ensure safe and efficient use of the product.</p> <p><b>Features:</b></p> <ul style="list-style-type: none"> <li>Training plan details will be provided by the training management team as part of your product implementation process</li> <li>Duration and Location: 2 days onsite</li> </ul>	1

Item	Description	
1.33	<p><b>Prerequisites:</b></p> <ul style="list-style-type: none"> <li>Initial product training completed</li> </ul> <p><b>Notes:</b></p> <ul style="list-style-type: none"> <li>Offer is valid for up to 18 months after installation of product</li> <li>Non-transferable to other products and services and non-refundable</li> </ul> <p><b>INCL ED: TB201 TB Platform Physicists</b></p> <p>TrueBeam Physics and Administration: TrueBeam Physics and Administration course is designed for personnel (primarily Medical Physicists) responsible for the acceptance, commissioning, and QA program development of the TrueBeam in the clinical environment. It is recommended that the student attend the TrueBeam Physics and Administration course shortly before the installation of the TrueBeam. The course provides instruction of the basic delivery components, basic imaging components, and a general overview of the motion management system components. Machine commissioning, calibration, and QA of the machine are included. The course subject matter is presented from a clinical use perspective. Primary emphasis is on the overall commissioning, calibration, and QA of the TrueBeam and its components. Extensive hands-on laboratory exercises are included.</p> <p><b>Features:</b></p> <ul style="list-style-type: none"> <li>Includes support for TrueBeam/Edge/VitalBeam</li> <li>Includes Tuition and Materials for ONE person</li> <li>Length: 4.5 days</li> <li>Offer is valid for 18 months after installation of product</li> </ul> <p><b>Customer Responsibilities:</b></p> <ul style="list-style-type: none"> <li>Customer is responsible for all travel expenses (airfare, hotel, rental car, meals and travel incidentals)</li> </ul> <p><b>Notes:</b></p> <ul style="list-style-type: none"> <li>Training is non-refundable and non-transferable</li> </ul>	1
1.34	<p><b>INCL ED: TB101 TB Platform Operations</b></p> <p>TrueBeam Operations is a course designed for personnel (primarily Radiation Therapists) responsible for the routine operation and clinical use of the TrueBeam. It is recommended that students attend the TrueBeam Operations course shortly before clinical use and the commencement of patient treatments. The course provides instruction of the basic delivery components, basic imaging components, and a general overview of the motion management system components. The course subject matter is presented from a clinical use perspective. Primary emphasis is on the overall understanding of the TrueBeam function and operation to include imaging and respiratory gating. Extensive hands-on laboratory exercises are included. The attendees of this class will be provided tools to allow them to instruct other clinical staff upon their return.</p> <p><b>Features:</b></p> <ul style="list-style-type: none"> <li>Includes support for TrueBeam/Edge/VitalBeam</li> <li>Includes Tuition and Materials for ONE person</li> <li>Length: 4 days</li> <li>Offer is valid for 18 months after installation of product</li> </ul> <p><b>Customer Responsibilities:</b></p> <ul style="list-style-type: none"> <li>Customer is responsible for all travel expenses (airfare, hotel, rental car, meals and travel incidentals)</li> </ul> <p><b>Notes:</b></p> <ul style="list-style-type: none"> <li>Training is non-refundable and non-transferable</li> </ul>	1
1.35	<p><b>INCL ED: CL222 Respiratory Gating</b></p> <p>The Respiratory Gating course provides training for physicists and therapists, to obtain knowledge of principles and practices of respiratory gating in radiation oncology for clinical implementation.</p> <p><b>Features:</b></p> <ul style="list-style-type: none"> <li>Includes support for TrueBeam Platform</li> <li>Includes Tuition and Materials for ONE person</li> <li>Length: 2 days</li> </ul>	1

Item	Description	
	<ul style="list-style-type: none"> <li>Offer is valid for 18 months after installation of product</li> </ul> <p><b>Customer Responsibilities:</b></p> <ul style="list-style-type: none"> <li>Customer is responsible for all travel expenses (airfare, hotel, rental car, meals and travel incidentals)</li> </ul> <p><b>Notes:</b></p> <ul style="list-style-type: none"> <li>Training is non-refundable and non-transferable</li> </ul>	
1.36	<p><b>Vertical LAP Apollo Green Room Laser Kit</b></p> <p>LAP Apollo Green Room Laser Kit for patient alignment with Vertical Remote-Controlled Sagittal Line Laser.</p> <p><b>Features:</b></p> <ul style="list-style-type: none"> <li>1 Apollo Green Remote-controlled Ceiling Crosshair Laser</li> <li>2 Apollo Green Remote-controlled Lateral Crosshair Lasers</li> <li>1 Apollo Green Vertical Remote-Controlled Sagittal Line Laser</li> </ul>	1
1.37	<p><b>Quick Ref Guide - English</b></p>	1
1.38	<p><b>HyperArc Treatment Delivery Capability</b></p> <p>Frameless, MLC-based technique for multiple intracranial SRS targets. Automated non-coplanar treatment delivery with integral intrafraction imaging at specified couch angles.</p> <p><b>Features:</b></p> <ul style="list-style-type: none"> <li>HyperArc™ Delivery License</li> </ul> <p><b>Prerequisites:</b></p> <ul style="list-style-type: none"> <li>TrueBeam™ or Edge® system v2.7 or higher</li> <li>RapidArc® delivery license or Varian Volumetric Modulated Arc Therapy delivery license</li> <li>PerfectPitch™ 6-Degrees of Freedom (6DoF) couch</li> <li>Varian IGRT couch top or QFix kVue™ or kVue Calypso® couch top</li> <li>Qfix™ Encompass™ SRS immobilization system for Qfix kVue™ or Qfix™ Encompass™ SRS immobilization system for kVue Calypso® or Qfix™ Encompass™ SRS immobilization system for IGRT couch top</li> <li>Eclipse™ treatment planning system v15.5 or higher</li> <li>HyperArc treatment planning license</li> <li>Eclipse RapidArc® planning license</li> <li>ARIA® oncology information system for radiation oncology v15.1 through v17.0, or ARIA OIS v18.0 or higher, or compatible third-party oncology information system</li> </ul> <p><b>Customer Responsibilities:</b></p> <ul style="list-style-type: none"> <li>TrueBeam/Edge system needs to pass isocenter test that is performed by Varian installation/local service team.</li> <li>Use of external devices connected to Motion Management or ADI interfaces with HyperArc are not validated or supported by Varian.</li> <li>Verify compatibility with third-party oncology information systems if applicable</li> </ul> <p><b>Notes:</b></p> <ul style="list-style-type: none"> <li>It is recommended that the patient CT scan used for treatment planning be acquired at a slice thickness of 1.25 mm or better</li> </ul>	1
1.39	<p><b>SRS Encompass IMB IGRT Couchtop</b></p> <p>The SRS Encompass™ Immobilization package from Qfix™ is a dedicated SRS immobilization package specifically tailored for use with the IGRT couch top.</p> <p><b>Features:</b></p> <ul style="list-style-type: none"> <li>Encompass Intracranial Standalone Device (quantity: 2)</li> <li>Encompass mask system (quantity: 10)</li> <li>Direct Indexing™ Adapter for Varian IGRT couch top (quantity: 1)</li> <li>Locating bar (quantity: 1)</li> </ul> <p><b>Prerequisites:</b></p> <ul style="list-style-type: none"> <li>IGRT couch top</li> <li>TrueBeam® v2.0 and higher</li> <li>VitalBeam® v2.5 (China only) and higher</li> </ul> <p><b>Notes:</b></p>	1

Item	Description	
	<ul style="list-style-type: none"> <li>• Training will be provided by Qfix</li> </ul>	
1.40	<p><b>Additional In-Room Monitor System</b></p> <p>Additional in-room monitors that can be placed at customer discretion.</p>	1
1.41	<p><b>Filtrine Water Chiller</b></p> <p>A closed loop water cooling system, providing clean water at a constant flow, pressure, and temperature for cooling a high energy medical linear accelerator. Ideal for sites where a dependable source of clean water for cooling is not available.</p>	1
1.42	<p><b>Filtrine Quick Connect Panel</b></p> <p>See Filtrine Specification sheet for details</p>	1

<b>2.0</b>	<b>IDENTIFY Accessories</b>
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2.1	<p><b>IDENTIFY™ Treatment Base System</b></p> <p>Provides common components for IDENTIFY™ treatment room systems</p> <p><b>Features:</b></p> <ul style="list-style-type: none"> <li>• GPU-equipped workstation with monitor, keyboard, mouse at treatment console</li> <li>• Handheld controllers with chargers</li> <li>• Wireless access points at the treatment console and in the treatment room</li> </ul> <p><b>Prerequisites:</b></p> <ul style="list-style-type: none"> <li>• TrueBeam™, Edge™, or VitalBeam™ v2.5 or higher or Clinac® v9.1 or higher Halcyon™ v1.0 or higher, Ethos™ v1.0 or higher or other compatible linear accelerator</li> </ul> <p><b>Customer Responsibilities:</b></p> <ul style="list-style-type: none"> <li>• If using third-party linear accelerator, confirm that it meets compatibility requirements that are listed in Customer Release Notes (CRN)</li> <li>• Meet all requirements per the Product Planning and Customer Integration Guides</li> </ul> <p><b>Notes:</b></p> <ul style="list-style-type: none"> <li>• Clinical Site Survey and Network Site Survey completion required prior to installation</li> <li>• Any ceiling-mounted systems present in the treatment room will be subject to a compatibility review prior to installation by Varian Service</li> </ul>	1
2.2	<p><b>IDENTIFY SGRS Sys with Beam Hold</b></p> <p>Provides IDENTIFY™ surface-guided patient position monitoring for radiotherapy with automatic beam hold functionality</p> <p><b>Features:</b></p> <ul style="list-style-type: none"> <li>• SGRS patient position monitoring system, 3-camera configuration</li> <li>• SGRS calibration phantom and software</li> <li>• Deep inspiration breath-hold management with Visual Coaching Device (VCD)</li> <li>• IDENTIFY Windows Planning Tool</li> <li>• Automatic beam hold functionality</li> </ul> <p><b>Prerequisites:</b></p> <ul style="list-style-type: none"> <li>• TrueBeam™, Edge™, or VitalBeam™ v2.5 or higher</li> <li>• IDENTIFY™ Treatment Base System</li> <li>• Motion Management Interface</li> <li>• kV Cone Beam CT</li> <li>• Eclipse™ Treatment Planning System v13.6 or higher or compatible third-party solution supporting DICOM RT plan and structure set export</li> <li>• ARIA® oncology information system for radiation oncology v13.6 through v17.0, or ARIA OIS v18.0, or compatible third-party oncology information system</li> <li>• For VCD couch mount: compatible couch top listed in the IDENTIFY Couch Top Compatibility Matrix</li> <li>• For IDENTIFY reports in ARIA: ARIA Connect v2.0 or higher and ARIA Disease Management Smart Space license</li> </ul> <p><b>Customer Responsibilities:</b></p>	1

Item	Description	
	<ul style="list-style-type: none"> <li>• Work with Varian representative to complete Clinical Site Survey and Network Site Survey to meet the requirements per the Product Planning and Customer Integration Guides</li> <li>• Confirm third-party compatibility treatment planning system</li> <li>• Confirm third-party oncology information system</li> </ul>	
2.3	<p><b>IDENTIFY Central Server Software</b></p> <p>Provides central database for IDENTIFY™ and interface to Oncology Information System on customer-provided server</p> <p><b>Features:</b></p> <ul style="list-style-type: none"> <li>• Server software and database for management of 15 IDENTIFY clients</li> <li>• HL7 interface to supported OIS</li> <li>• User rights management</li> <li>• Report generation</li> </ul> <p><b>Prerequisites:</b></p> <ul style="list-style-type: none"> <li>• ARIA oncology information system v13.6 MR1.2 or higher with ARIA® Connect v2.0 or higher OR validated third-party oncology information system with HL7 interfaces (SIU Outbound, SIU Inbound, Document Inbound)</li> </ul> <p><b>Customer Responsibilities</b></p> <ul style="list-style-type: none"> <li>• If using third-party oncology information system, confirm that it meets compatibility requirements that are listed in Customer Release Notes (CRN)</li> <li>• Customer provides and host a virtual server</li> <li>• Meet all requirements per the Product Planning and Customer Integration Guides</li> </ul> <p><b>Notes:</b></p> <ul style="list-style-type: none"> <li>• Clinical Site Survey and Network Site Survey completion required prior to installation</li> </ul>	1
2.4	<p><b>STD TRNG: IDENTIFY SGRS Onsite Training</b></p> <p>Standard Applications Training for IDENTIFY SGRS</p> <p><b>Features:</b></p> <ul style="list-style-type: none"> <li>• On-site training details will be provided by the training management team as part of the product implementation process</li> <li>• This training will review features and functions of the IDENTIFY system</li> <li>• Duration and Location: 3 days onsite</li> </ul> <p><b>Prerequisites:</b></p> <ul style="list-style-type: none"> <li>• Installation of the IDENTIFY system</li> <li>• Completion of the Varian ID101 IDENTIFY SGRS Operations classroom course</li> </ul> <p><b>Customer Responsibilities:</b></p> <ul style="list-style-type: none"> <li>• Completion of the Customer Responsibilities Document</li> </ul> <p><b>Notes:</b></p> <ul style="list-style-type: none"> <li>• Offer is valid for up to 18 months after installation of product</li> <li>• Non-transferable to other products and services and non-refundable</li> </ul>	1
2.5	<p><b>STD TRNG: IDENTIFY SGRS Onsite Follow U</b></p> <p>Standard Applications Training for IDENTIFY SGRS</p> <p><b>Features:</b></p> <ul style="list-style-type: none"> <li>• On-site training details will be provided by the training management team as part of the product implementation process</li> <li>• This training will offer a review of the IDENTIFY SGRS system and assist with workflow changes</li> <li>• Duration and Location: 2 days onsite</li> </ul> <p><b>Prerequisites:</b></p> <ul style="list-style-type: none"> <li>• Installation of the IDENTIFY system</li> <li>• Completion of the Varian ID101 IDENTIFY SGRS Operations classroom course</li> <li>• Completion of the IDENTIFY SGRS standard onsite training</li> </ul> <p><b>Customer Responsibilities:</b></p> <ul style="list-style-type: none"> <li>• Completion of the Customer Responsibilities Document</li> </ul> <p><b>Notes:</b></p> <ul style="list-style-type: none"> <li>• Offer is valid for up to 18 months after installation of product</li> <li>• Non-transferable to other products and services and non-refundable</li> </ul>	1
2.6	<p><b>INCL ED: ID101 IDENTIFY SGRS Operations</b></p> <p>The IDENTIFY™ Operations course is designed for a new user of the IDENTIFY SGRS System. The course consists of lectures, instructor-led demonstrations, and individual hands-on exercises. Intended audience includes radiation therapists or medical physicists.</p> <p><b>Features:</b></p>	2

Item	Description	
	<ul style="list-style-type: none"> <li>Topics covered include:               <ul style="list-style-type: none"> <li>An overview of the IDENTIFY hardware</li> <li>In-depth training for patient entry</li> <li>QA considerations and procedures</li> <li>Treatment workflows</li> </ul> </li> <li>Training Type: A combination of e-learning online modules on the VarianThink platform and a virtual instructor-led (VILT) session</li> </ul> <p><b>Customer Responsibilities:</b></p> <ul style="list-style-type: none"> <li>Must have access to a telephone and computer with an internet connection</li> <li>Completion of the online learning modules on VarianThink before attending the instructor-led session</li> </ul> <p><b>Notes:</b></p> <ul style="list-style-type: none"> <li>Includes tuition and materials for one person</li> <li>Offer is valid for up to 18 months after installation of product</li> <li>Non-transferable to other products and services and non-refundable</li> </ul>	
<b>3.0</b>	<b>Extended Warranty for TrueBeam (6 Months)</b>	
3.1	<p><b>TrueBeam</b></p> <p>HYPERARC DELIVERY G/SA CBCT VCD-TBM ARMM Triggered Imaging / Enhanced Trigger Imaging KV Imager Rapid Arc/VVMAT PerfectPitch Couch MLC 120 MV Imager</p>	1
<b>4.0</b>	<b>Extended Warranty for IDENTIFY System (6 Months)</b>	
4.1	<p><b>IDENTIFY System</b></p> <p>IDENTIFY Server IDENTIFY SGRS IDENTIFY Base</p>	1
<b>5.0</b>	<b>ARIA OIS v18.0 Liberty Multi Site</b>	
5.1	<p><b>Multi-Site License</b></p>	1
5.2	<p><b>INCL VT: ARIA Fundamentals E-Learning</b></p> <p>The ARIA® oncology information system (OIS) Fundamentals e-learning course provides basic knowledge of the ARIA® oncology information system platform. Intended audience for this course includes users who are new to ARIA OIS radiation oncology.</p> <p><b>Features:</b></p> <ul style="list-style-type: none"> <li>Topics covered include:               <ul style="list-style-type: none"> <li>Data Administration</li> <li>Oncology Information System for Radiation Oncology</li> <li>Radiation Treatment Management</li> <li>Varian Service Portal</li> </ul> </li> <li>Type and Location: e-learning modules via the VarianThink™ online platform</li> </ul> <p><b>Prerequisites:</b></p> <ul style="list-style-type: none"> <li>Basic knowledge of computers and the Windows operating system</li> </ul> <p><b>Customer Responsibilities:</b></p> <ul style="list-style-type: none"> <li>Must have a computer or device with internet access to view online content</li> </ul> <p><b>Notes:</b></p> <ul style="list-style-type: none"> <li>Offer is valid for up to 18 months after installation of product</li> <li>Access to course content is valid for up to 90 days from initial access of the course on the VarianThink™ online platform</li> <li>Non-transferable to other users, products, and services and non-refundable</li> </ul>	1



Item	Description	
5.3	<b>STD TRNG: ARIA Multi-site</b>	1
	<p>Training is included with the purchase of ARIA. Training plan details will be provided by the training management team as part of your product implementation process.</p> <ul style="list-style-type: none"> <li>• Offer is valid for 18 months after installation. Training is not transferable with other products and services</li> </ul>	
<b>6.0</b>	<b>DICOM Worklist for CT - Liberty - go.Open Pro</b>	
6.1	<b>Varian Modality Worklist</b>	1
	<p>The Varian Modality Worklist provides connectivity to a DICOM modality compliant system, 3rd party imaging device.</p> <p><b>Features:</b></p> <ul style="list-style-type: none"> <li>• Query for appointments scheduled in ARIA® for Radiation Oncology (RO)</li> <li>• Update appointment status in ARIA for RO</li> <li>• Capturing of procedure codes by ARIA for RO</li> <li>• One (1) DICOM Modality Worklist license for one (1) DICOM modality compliant, 3rd party imaging device.</li> </ul> <p><b>Prerequisites:</b></p> <ul style="list-style-type: none"> <li>• DICOM RT</li> <li>• ARIA for RO v16.0 or higher</li> </ul> <p><b>Customer Responsibilities:</b></p> <ul style="list-style-type: none"> <li>• Workstations with Windows 10 OS with .net framework v4.6.2 or higher</li> <li>• Compatible software, hardware, and licenses from the external imaging modality vendor</li> </ul>	
6.2	<b>STD TRNG: Varian Worklist</b>	1
	<p>Training is included with the purchase of Varian Work list. Training plan details will be provided by the training management team as part of your product implementation process.</p> <ul style="list-style-type: none"> <li>• Offer is valid for 18 months after installation. Training is not transferable with other products and services</li> </ul>	
<b>7.0</b>	<b>Reconfig hours for new location connection to EPIC Interfaces (placeholder need Mike to confirm)</b>	
7.1	<b>Interoperability Customization Hours</b>	4
	<p>For additional customization or configuration services of interoperability interfaces. One unit includes 10 hours of customization services.</p>	
<b>8.0</b>	<b>TPS Eclipse</b>	
8.1	<b>Eclipse Base for Multi-Site Config</b>	1
	<p>This configuration is for a site that will access the database remotely from another location.</p>	
8.2	<b>Install on Existing/Customer Server</b>	1

Sales Price Table

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Sales Total	US \$2,833,273.00
Quotation Total	US \$2,833,273.00

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Quotation Total

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Quotation Total

US \$2,833,273.00


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Certificate of Need Program

**REPRESENTATIVE REGISTRATION**

(A registration form must be completed for **each** project presented.)

Project Name The University of Kansas Hospital Authority - Liberty Linear Accelerator		Number 6157 HS
<i>(Please type or print legibly.)</i>		
Name of Representative John E Bardgett Jr.		Title President
Firm/Corporation/Association of Representative (may be different from below, e.g., law firm, consultant, other) 16141 Swingley Ridge Rd. Ste 110		Telephone Number 636 530 9392
Address (Street/City/State/Zip Code) Chesterfield, MO 63017		
Who's interests are being represented? <i>(If more than one, submit a separate Representative Registration Form for each.)</i>		
Name of Individual/Agency/Corporation/Organization being Represented The University of Kansas Hospital Authority		Telephone Number 913-588-5000
Address (Street/City/State/Zip Code) 4000 Cambridge Street, Kansas City, KS 66160		
Check one. Do you: <input checked="" type="checkbox"/> Support <input type="checkbox"/> Oppose <input type="checkbox"/> Neutral		Relationship to Project: <input type="checkbox"/> None <input type="checkbox"/> Employee <input type="checkbox"/> Legal Counsel <input checked="" type="checkbox"/> Consultant <input type="checkbox"/> Lobbyist <input type="checkbox"/> Other (explain):
Other Information: <hr/> <hr/>		
<p>I attest that to the best of my belief and knowledge the testimony and information presented by me is truthful, represents factual information, and is in compliance with §197.326.1 RSMo which says: <i>Any person who is paid either as part of his normal employment or as a lobbyist to support or oppose any project before the health facilities review committee shall register as a lobbyist pursuant to chapter 105 RSMo, and shall also register with the staff of the health facilities review committee for every project in which such person has an interest and indicate whether such person supports or opposes the named project. The registration shall also include the names and addresses of any person, firm, corporation or association that the person registering represents in relation to the named project. Any person violating the provisions of this subsection shall be subject to the penalties specified in § 105.478, RSMo.</i></p>		
Original Signature 		Date 10/14/2024

**From:** [Hill, Richard W.](#)  
**To:** [Fick, Mackinzey](#)  
**Subject:** RE: #6157 HS  
**Date:** Tuesday, January 7, 2025 9:12:56 AM  
**Attachments:** [6157 HS - Updated Div II - 1-7-25 \(02685837x7A478\).PDF](#)

---

Mackinzey:

You stay warm as well. Please see attached.

Rich

RICHARD W. HILL  
Attorney at Law  
DIRECT: 314 436.8317  
[rhill@lashlybaer.com](mailto:rhill@lashlybaer.com)  
Licensed in Missouri

**LASHLY & BAER, P.C.**  
*Attorneys at Law*  
714 Locust Street St. Louis, MO 63101-1699 TEL: 314 621.2939  
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**From:** Fick, Mackinzey <[Mackinzey.Fick@health.mo.gov](mailto:Mackinzey.Fick@health.mo.gov)>  
**Sent:** Tuesday, January 7, 2025 8:36 AM  
**To:** Hill, Richard W. <[RHill@lashlybaer.com](mailto:RHill@lashlybaer.com)>  
**Subject:** RE: #6157 HS

That works, thank you.

Stay warm!

*Mackinzey Fick*

Assistant Program Coordinator, Certificate of Need  
Department of Health and Senior Services  
920 Wildwood Drive, P.O. Box 570  
Jefferson City, MO 65102  
OFFICE: 573-751-6403  
FAX: 573-751-7894  
EMAIL: [mackinzey.fick@health.mo.gov](mailto:mackinzey.fick@health.mo.gov)

<http://health.mo.gov/information/boards/certificateofneed/index.php>

---

**From:** Hill, Richard W. <[RHill@lashlybaer.com](mailto:RHill@lashlybaer.com)>  
**Sent:** Tuesday, January 7, 2025 8:34 AM  
**To:** Fick, Mackinzey <[Mackinzey.Fick@health.mo.gov](mailto:Mackinzey.Fick@health.mo.gov)>  
**Subject:** RE: #6157 HS

Mackinzey:

We're having some trouble with our remote working system right now. I'll try to get it to you as soon as I can. Might be tomorrow.

Rich

RICHARD W. HILL  
Attorney at Law  
DIRECT: 314 436.8317  
CELL: 314 749 2396  
[rhill@lashlybaer.com](mailto:rhill@lashlybaer.com)  
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**From:** Fick, Mackinzey <[Mackinzey.Fick@health.mo.gov](mailto:Mackinzey.Fick@health.mo.gov)>  
**Sent:** Tuesday, January 7, 2025 8:33 AM  
**To:** Hill, Richard W. <[RHill@lashlybaer.com](mailto:RHill@lashlybaer.com)>  
**Subject:** RE: #6157 HS

Rich,

Can you provide an updated revenues and expenses page? Thanks!

*Mackinzey Fick*

Assistant Program Coordinator, Certificate of Need  
Department of Health and Senior Services  
920 Wildwood Drive, P.O. Box 570  
Jefferson City, MO 65102

OFFICE: 573-751-6403

FAX: 573-751-7894

EMAIL: [mackinzey.fick@health.mo.gov](mailto:mackinzey.fick@health.mo.gov)

<http://health.mo.gov/information/boards/certificateofneed/index.php>

---

**From:** Hill, Richard W. <[RHill@lashlybaer.com](mailto:RHill@lashlybaer.com)>

**Sent:** Tuesday, January 7, 2025 8:31 AM

**To:** Fick, Mackinzey <[Mackinzey.Fick@health.mo.gov](mailto:Mackinzey.Fick@health.mo.gov)>

**Subject:** RE: #6157 HS

Mackinzey:

The answer is it's 5,512 and some change. Let's just go with the SSRE number. Thanks!

Rich

RICHARD W. HILL

Attorney at Law

DIRECT: 314 436.8317

CELL: 314 749 2396

[rhill@lashlybaer.com](mailto:rhill@lashlybaer.com)

Licensed in Missouri

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**From:** Fick, Mackinzey <[Mackinzey.Fick@health.mo.gov](mailto:Mackinzey.Fick@health.mo.gov)>

**Sent:** Monday, January 6, 2025 12:17 PM

**To:** Hill, Richard W. <[RHill@lashlybaer.com](mailto:RHill@lashlybaer.com)>

**Subject:** #6157 HS

**Importance:** High

Rich,

After final review of everything, some additional information is still needed.

- The revenues and expenses form state a utilization of 5,513 while page 10 states 5,512. Which is correct?

**This information is needed by Friday, January 10<sup>th</sup>,  
2025.**

*Mackinzey Fick*

Assistant Program Coordinator, Certificate of Need

Department of Health and Senior Services

920 Wildwood Drive, P.O. Box 570

Jefferson City, MO 65102

OFFICE: 573-751-6403

FAX: 573-751-7894

EMAIL: [mackinzey.fick@health.mo.gov](mailto:mackinzey.fick@health.mo.gov)

<http://health.mo.gov/information/boards/certificateofneed/index.php>

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**DIVIDER II**

**PROPOSAL DESCRIPTION**

## **DIVIDER II. PROPOSAL DESCRIPTION**

**1. Provide a complete detailed project description and include equipment bid quotes.**

The Applicant proposes to acquire a Varian TrueBeam linear accelerator unit as well as the associated CT simulator necessary for linear accelerator treatment.

Liberty Hospital has offered linear accelerator treatment for cancer patients since the early 2000s. St. Luke's Radiation Therapy-Liberty LLC recently filed, and the Committee approved, a CON application to relocate the linear accelerator that was previously located at Liberty Hospital. That linear accelerator was moved to Saint Luke's Hospital Barry Road, approximately 15 miles away from Liberty Hospital. Because the existing linear accelerator unit has been relocated, this application seeks approval for a new linear accelerator unit at Liberty Hospital.

This new linear accelerator unit will allow the Applicant to continue providing linear accelerator treatment to the existing patient population in Caldwell, Clay, Clinton, Platte, and Ray counties, including Liberty Hospital's patients. Moreover, as further demonstrated herein, there is sufficient capacity for additional linear accelerator units in the service area pursuant to the Committee's utilization standards.

In 2024, the Applicant continues to provide high-quality cancer treatment services, which include linear accelerator services, to more than 65,000 unique patients across the United States, approximately 31,000 of whom reside in the State of Missouri.

**2. Provide a timeline of events for the project, from CON issuance through project completion.**

January 13, 2025 – CON approval;  
June 2025 – delivery of equipment;  
August 2025 – finalize installation and training on unit; and,  
August 2025 – first use.

**3. Provide a legible city or county map showing the exact location of the project.**

See attached.

**4. Define the community to be served and provide the geographic service area for the equipment.**

The additional linear accelerator unit will be located in Liberty, Missouri and serve patients originating in Caldwell, Clay, Clinton, Platte, and Ray counties.

**5. Provide other statistics to document the size and validity of any user-defined geographic service area.**

Liberty Hospital has historically provided linear accelerator services at this location. Patients come from all across the country to take advantage of the Applicant's cancer care

services; however, the Applicant expects that the patients utilizing the linear accelerator will originate in the service area described in Divider II, Item 4, which is the historical service area for the linear accelerator services rendered by Liberty Hospital.

**6. Identify specific community problems or unmet needs the proposal would address.**

See Divider II, Item 5 and Divider II, Item 7. As further demonstrated herein, there is sufficient capacity for additional linear accelerator units in the service area pursuant to the Committee's own need standards. Further, Caldwell, Clinton, and Ray counties do not currently have linear accelerator services available.

**7. Provide the historical utilization for each of the past three years and utilization projections through the first three (3) FULL years of operation of the new equipment.**

There is no existing linear accelerator unit currently at this location, and as such, there is no historical utilization. The previous linear accelerator unit was moved to Saint Luke's Hospital Barry Road, over fifteen miles away from Liberty Hospital, pursuant to CON Project 6125 HS.

The Applicant expects the new unit at Liberty Hospital to generate the following utilization in the next three (3) years:

Year 1 – 5,000;  
Year 2 – 5,250; and,  
Year 3 – 5,513.

**8. Provide the methods and assumptions used to project utilization.**

The Applicant examined its historical utilization for linear accelerator units, current patients, and conservative growth estimates in determining its estimated utilization going forward.

**9. Document that consumer needs and preferences have been included in planning this project and describe how consumers had an opportunity to provide input.**

Consumers were provided notice of the project in the Kansas City Star, as per Divider II, Item 11.

**10. Provide copies of any petitions, letters of support or opposition received.**

See attached.

**11. Document that providers of similar health services in the proposed service area have been notified of the application by a public notice in the local newspaper.**

See attached notice of the project published in the Kansas City Star.

- 12. Document that provides of all affected facilities in the proposed service area were addressed letters regarding the application.**

See attached.