REQUISITION: 523-B91016

SHIP TO: GENERAL WAREHOUSE
V.A. Medical Center
150 S HUNTINGTON AVE
BOSTON, MA 02130

Item	Description	Qty
Section 1	Scalable EDGE	
1.1	**Edge™ Radiosurgery System** The Edge™ Radiosurgery System provides capabilities for delivering radiosurgery treatments where radiation is indicated. Features: • Treatment console with integrated audio and video systems • HD120™ High Definition Multileaf Collimator • 6MV X-ray treatment energy • 43cm x 43cm MV imager • Basic X-Ray treatment delivery technique package, including Static Photon, Photon Arc, and Dynamic Conformal Arc treatment delivery techniques • Intensity Modulated RadioTherapy (IMRT) treatment technique, including large field IMRT • Total Body Treatment technique package • 2D MV Radiographic and Cine Image Acquisition, 2D/2D Radiographic Image Review and match, Cine image review • Relative Portal Dosimetry Image and Integrated Image Acquisition • Matching of 2D radiographs to 3D reference images • Online addition of kV and MV imaging protocols to treatment fields, with automated generation of reference images • Online Physician Approval of Images at Treatment Console (compatible with ARIA® only) • Automated Machine Performance Check Testing, Online Machine Performance Check Review • Offline Machine Performance Check Review Prerequisites: • ARIA® oncology information system for radiation oncology v11.0 MR4.1 or higher, or compatible third-party oncology information system • Eclipse™ treatment planning system v11.0 MR3 or higher, or compatible third-party treatment planning system Customer Responsibilities: • Verify compatibility with third-party oncology information systems if applicable • Verify compatibility with third-party treatment planning systems if applicable • 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. Notes: • None.	1
1.2	**Edge Version 2.7**	1
1.3	**New Universal Baseframe 52" Fixed Floor**	1
1.4	**15/16 MV (BJR 11/17)** 40 cm x 40 cm maximum field size, dose rate range 0-600 MU/Min.	1
1.5	**10/10 MV (BJR 11/17)** 40 cm x 40 cm maximum field size, dose rate range 0-600 MU/Min.	1
1.6	**6/6 MV (BJR 11/17)** 40 cm x 40 cm maximum field size, dose rate range 0-600 MU/Min.	1
1.7	**18 MeV, 0-1000 MU/Min**	1

Item	Description	Qty
	25 cm x 25 cm maximum field size, dose rate range 0-1000 MU/Min.	
1.8	**15 MeV, 0-1000 MU/Min** 25 cm x 25 cm maximum field size, dose rate range 0-1000 MU/Min.	1
1.9	**12 MeV, 0-1000 MU/Min** 25 cm x 25 cm maximum field size, dose rate range 0-1000 MU/Min.	1
1.10	**9 MeV, 0-1000 MU/Min** 25 cm x 25 cm maximum field size, dose rate range 0-1000 MU/Min.	1
1.11	**6 MeV, 0-1000 MU/Min** 25 cm x 25 cm maximum field size, dose rate range 0-1000 MU/Min.	1
1.12	**IGRT Couch Top** Image Guided RadioTherapy (IGRT) carbon fiber treatment couch top, free of metal or other radiation-opaque materials. Features: • Indexed Immobilization® for compatible accessories • Couch top interface for mounting patient immobilization and quality assurance devices at the head of the couch • Lock bar for indexed positioning of equipment or immobilization devices on the couch top • Handrail for couch positioning, with hooks for temporary pendant placement during patient set up	1
1.13	**PerfectPitch 6DoF Couch** Fully integrated 6-Degrees of Freedom (6DoF) couch system. Features: • Manual and automated positioning of the patient • Image-based 6DoF patient positioning with remote couch motion Prerequisites: • ARIA® Oncology Information System for Radiation Oncology v.11 or later	1
1.14	**10X High Intensity Mode** 40 cm x 40 cm maximum field size, dose rate range 400-2400 MU/min in 400 MU/min steps.	1
1.15	**6X High Intensity Mode** 40 cm x 40 cm maximum field size, dose rate range 400-1400 MU/Min in 200 MU/min steps.	1
1.16	**Low-X Imaging Energy** Low-X imaging energy configuration, providing high soft tissue contrast when imaging in-line with the treatment beam.	1

Item	Description	Qty
1.17	**HyperArc Treatment Delivery Capability** Frameless, MLC-based technique for multiple intracranial SRS targets. Automated non-coplanar treatment delivery with integral intrafraction imaging at specified couch angles. Features: • HyperArc™ Delivery License Prerequisites: • TrueBeam™ or Edge® system v2.7 or higher • RapidArc® delivery license • PerfectPitch™ 6-Degrees of Freedom (6DoF) couch • Varian IGRT couch top or QFix KVue™ or KVue Calypso® couch top • Encompass™ SRS Immobilization System by Qfix® • Eclipse™ treatment planning system v15.5 or higher • HyperArc treatment planning license • Eclipse RapidArc® planning license • ARIA® oncology information system for radiation oncology v15.1 or higher Notes: • Use of external devices connected to Motion Management or ADI interfaces with HyperArc are not validated or supported by Varian. • It is recommended that the patient CT scan used for treatment planning be acquired at a slice thickness of 1.25 mm or better	1
1.18	**RapidArc Treatment Delivery** RapidArc® Treatment Delivery is a volumetric modulated arc treatment delivery technique. Features: • Simultaneous modulation of MLC aperture shape, beam dose rate, and gantry angle and rotation speed during beam delivery • Supports dynamic jaw tracking and collimator rotation with supporting treatment planning system Prerequisites: • 120 Multi Leaf Collimator or HD120™ Multi Leaf Collimator • Eclipse™ treatment planning system v11.0 or higher • RapidArc treatment planning license • Compatible server hardware and operating system. For detailed specifications, visit: www.varian.com/hardwarespecs	1
1.19	**kV Imaging System** kV Imaging system, providing 2D radiographic and fluoroscopic and 3D CBCT imaging capability. Features: • kV CBCT image acquisition, review, and match to 3D reference image • Radiographic image acquisition, with 2D/2D and 2D/3D image matching to reference image • Fluoroscopic image acquisition, with structure overlay on fluoroscopic images. • kV CBCT image acquisition with a long field of view, provided by merging multiple indexed CBCT images. Online data acquisition and viewing only.	1
1.20	**Triggered Imaging** 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. Features: • Respiration Triggered Imaging • MU Triggered Imaging • Gantry Triggered Imaging • Time Triggered Imaging • Autobeam Hold Prerequisites: • Respiratory Motion Management System	1

Item	Description	Qty
1.21	**Advanced Resp Motion Management System** Stereoscopic optical system for managing patient respiration motion during treatment delivery and imaging. Features: • Stereoscopic optical imager, including marker block for tracking patient respiration motion • Respiratory gated treatment delivery • Respiratory gated MV image acquisition and online review, respiration synchronized cine image acquisition and online review • Respiratory gated kV image acquisition and online review, respiration synchronized fluoroscopic image acquisition and online review	1
1.22	**VCD Option, couch mounted** 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. Features: • 2 rechargeable batteries and charging system • Video interface for optional use of customer-provided video goggles • Wireless display system with adjustable count mount Prerequisites: • TrueBeam® v2.7 or higher • One of the following: o Advanced Respiratory Motion Management System o Basic Respiratory Motion Management System o Respiratory Motion Management System o Optical Imager	1
1.23	**VCD w/Couch Mount - IGRT**	1
1.24	**Gated CBCT** Provides the ability to acquire CBCT images synchronized with patient respiration (free-breathing or breath hold). Features: • Gated CBCT Imaging License: CBCT image acquisition, image review, and image match to respiratory gated reference image. • 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 is an option for single breath hold CBCT data acquisition. Prerequisites: • One of the following: , o Advanced Respiratory Motion Management System o Basic Respiratory Motion Management System o Respiratory Motion Management System o Optical Imager • kV Imaging System	1
1.25	**4D CBCT Imaging Package** 4D Cone-Beam Computed Tomography (CBCT) Package. Provides the ability to acquire an 4D CBCT images for patient positioning and review target motion analysis at the time of treatment delivery or review target motion analysis post treatment delivery. Features:	1

Item	Description	Qty

	• 4D kV CBCT Image Match Review License: 4D CBCT image acquisition, image review, and image match to structure or Maximum Intensity Projection (MIP) at the time of treatment delivery
	• 4D CBCT Image Acquisition License:Â 4D kV CBCT image acquisition in Advanced Reconstructor Mode for post-treatment image reconstruction, viewing, and offline analysis
	Prerequisites:
	• TrueBeam®Â v2.7
	• One of the following:
	  ◦ Advanced Respiratory Motion Management System
	  ◦ Basic Respiratory Motion Management System
	  ◦ Respiratory Motion Management System
	  ◦ Optical Imager
	• kV Imaging System
	• ARIA® oncology information system v11.1 MR1 (11.0.55) or higher or compatible third-party oncology information system
	• ARIA oncology information system for radiation oncology or Eclipse™ treatment planning system
	• v11 MR3 (11.0.47) or higher
	• ARIA oncology information system v15.1 or higher is required for review of 4D kV CBCT images in ARIA Offline Review
	• Compatible server hardware and operating system. For detailed specifications, visit: www.varian.com/hardwarespecs
	Customer Responsibilities:
	• Verify compatibly third-party oncology information system
	• Initiate Smart Connect application to allow remote monitoring	

1.26	**LAP Apollo Blue Room Laser Kit** Features: • One Apollo Blue Remote Controlled Ceiling Crosshair Laser • Two Apollo Blue Remote controlled Lateral Crosshair Lasers • One Apollo Blue Remote Vertical or Horizontal Controlled Sagittal Line Laser (selected prior to system production)	1
1.27	**Filtrine Water Chiller** 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.	1
1.28	**Additional MotionView CCTV Camera System** Additional set of two Motion View CCTV cameras and displays. Camera placement is at customer discretion. Features: • Two pan, tilt, zoom CCTV cameras • Two desktopLCD displays with built in camera controls • Adjustable viewing angle for patient privacy • Push button pan, tilt, zoom, and home position control Prerequisites: • Motion View camera system, provided with linac system.	1
1.29	**Main Circuit Breaker Panel** 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.	1
1.30	**RPC Lung Phantom Voucher Option** A service provided through the MD Anderson Dosimetry Lab (MDADL) to supply a Radiological Physics Center (RPC) lung phantom for QA and commissioning of advanced technologies.	1

Item	Description	Qty
	Features: • Roundtrip shipment of anthropomorphic lung phantom with imageable targets, avoidance structures, and heterogeneities that contain thermoluminescent dosimeter (TLD) and radiochromic film dosimeters • Remote analysis by MDADL of the planning and dose delivery of the treatment on the phantom Report of analysis from MDADL Prerequisites: Acceptance of TrueBeam® or Edge™ system with which the lung phantom will be used Customer Responsibilities: • Login to www.myvarian.com to access the Customer Technical Bulletin CTB-GE-930 for instructions on redeeming the lung phantom service Non-printing	
1.31	**CatPhan Phantom** Phantom for measuring CBCT image contrast, spatial resolution, and uniformity. Features: • Modules for measuring CBCT image contrast, spatial resolution, and uniformity Prerequisites: • kV Imaging system with CBCT	1
1.32	**Supp. Phantom Kit** Supplemental imaging phantom kit for measuring resolution and contrast of kV and MV imaging systems. Features: • Leeds TOR 18FG phantom for measuring spatial resolution and contrast of kV imaging system • MV contrast phantom for measuring contrast performance of MV imaging system • Geometric phantom, mounted on IGRT couch top-compatible lock bar. Can be used for quality assurance of image guidance workflow. Prerequisites: • MV imaging system	1
1.33	**SRS Encompas IMB IGRT Couchtop** The SRS Encompass™ Immobilization package from Qfix™ is a dedicated SRS immobilization package specifically tailored for use with the IGRT couch top. Features: • Encompass Intracranial Standalone Device (quantity: 2) • Encompass mask system (quantity: 10) • Direct Indexing™ Adapter for Varian IGRT couch top (quantity: 1) • Locating bar (quantity: 1) Prerequisites: • IGRT couch top • TrueBeam® v2.0 and higher • VitalBeam® v2.5 (China only) and higher Notes: • Training will be provided by Qfix	1
1.34	**NLS: English**	1
1.35	**Varian Advanced Clinical School** The Varian Advanced Clinical School provides clinical knowledge relevant to the modern radiation oncology practice. 6 disease sites covered over a 3-day period, a broad range of experience and expertise is shared with the course attendees. The faculty is comprised of leading radiation oncologists and medical physicists from a variety of prominent institutions nationwide. The case-based course focuses on advanced practical applications taught through physician and physicist didactics and hands-on demonstrations. Disease sites covered are: CNS, H&N, Breast, Lung, GI and GU. The clinical school also covers advanced techniques such as SRS, SBRT, motion management, adaptive therapy and knowledge-based treatment planning, as well as clinical workflow development and advanced imaging implementation.	4

Item	Description	Qty
	Multiple quantities of this course may need to be purchased as each attendee requires a tuition. Attending as a multidisciplinary group is ideal for this course, as implementing new technology is most successful when all specialties are involved in the process. The intended audience is radiation oncologists and medical physicists. However, medical dosimetrists will also gain value from attending the course, but treatment planning is not explicitly covered. For comprehensive training in treatment planning please refer to EC103. Features: • Academic experts covering 6 disease sites over 3 days • Didactic lectures • Patient management • Contouring, planning considerations • TrueBeam® Lab demonstrations • Duration & Location: 3 days at nearest Varian Education Center offering this course. Customer Responsibilities: • Customer is responsible for all travel expenses (airfare, hotel, rental car, meals and travel incidentals) Notes: • Offer is valid for up to 18 months after installation of product • Includes tuition and materials for one person • Non-transferable to other products and services and non-refundable	
1.36	**UAB Clinical Observation** This one-day clinical observation provides the learner an opportunity to observe modern radiation oncology practice at University of Alabama at Birmingham (UAB). This day will focus on how UAB uses Varian technology to provide care to patients. Intended attendees are radiation oncologists, physicists, dosimetrists, therapists, and surgeons. Features: • Clinical workflows • Clinical implementation and imaging • Positioning and immobilization • Treatment planning and protocols • Duration: 1 day Prerequisites: • Attend the VC201 Varian Clinical School Customer Responsibilities: • Customer is responsible for all travel expenses (airfare, hotel, rental car, meals and travel incidentals) • All attendees from the customer site must participate on the same day Notes: • This course is offered and exclusively controlled by UAB; Varian is not responsible for and has not reviewed the course topic, content or materials. The student will be required to sign an agreement that disclaims all liability for Varian with respect to the content and training • Offer is valid for 18 months after installation of HDMLC or EDGE® • This training is non-transferable to other products and services	1
1.37	**STD TRNG: TB Platform On-Site** 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. Features: • Includes support for TrueBeam/Edge/VitalBeam • Offer is valid for 18 months after installation of product Prerequisites: • TrueBeam Platform classroom trainings Notes: • Training is non-refundable and non-transferable	1
1.38	**INCL ED: TB201 TB Platform Physicists** 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	1

Item	Description	Qty
	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. Features: • Includes support for TrueBeam/Edge/VitalBeam • Includes Tuition and Materials for ONE person • Length: 4.5 days • Offer is valid for 18 months after installation of product Customer Responsibilities: • Customer is responsible for all travel expenses (airfare, hotel, rental car, meals and travel incidentals) Notes: • Training is non-refundable and non-transferable	
1.39	**INCL ED: TB101 TB Platform Operations** 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. Features: • Includes support for TrueBeam/Edge/VitalBeam • Includes Tuition and Materials for ONE person • Length: 4 days • Offer is valid for 18 months after installation of product Customer Responsibilities: • Customer is responsible for all travel expenses (airfare, hotel, rental car, meals and travel incidentals) Notes: • Training is non-refundable and non-transferable	1
1.40	**INCL ED: CL222 Respiratory Gating** 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. Features: • Includes support for TrueBeam Platform • Includes Tuition and Materials for ONE person • Length: 2 days • Offer is valid for 18 months after installation of product Customer Responsibilities: • Customer is responsible for all travel expenses (airfare, hotel, rental car, meals and travel incidentals) Notes: • Training is non-refundable and non-transferable	1
Section 2	Eclipse HyperArc Licene	
2.1	**HyperArc Planning** Eclipse external beam planning for frameless, MLC-based delivery technique for single or multiple intracranial SRS targets in support of HyperArc™ delivery. Features: • HyperArc™ Planning License for one user Prerequisites:	1

Item	Description	Qty
	• HyperArc delivery license • TrueBeam® or EDGE™ system software v2.7 or higher • Eclipse RapidArc Planning License	

2.2	**STD TRNG: HyperArc Consultant Suprt**
	
	Standard Training HyperArc™ Consultant Support
	Features:
	• Consultant will provide clinical support to establish a Stereotactic Radiosurgery (SRS) Program at customer site. The consultant will cover the necessary workflow for the following:
	  ◦ patient selection
	  ◦ positioning and imaging
	  ◦ treatment planning
	  ◦ dose prescriptions and organ at risk sparing
	  ◦ quality assurance
	  ◦ treatment imaging and delivery
	  ◦ patient follow up
	• Duration and Location: 2 days at customer site plus 4 hours of remote support
	Prerequisites:
	• HyperArc v15.5 or higher installed
	• Truebeam v2.7 or higher installed
	Notes:
	• Offer is valid for up to 18 months after installation of product
	• Non-transferable to other products and services and non-refundable
	• This entitled training is for up to 3 users. The intended audience includes physicists, physicians, dosimetrists, treatment planners and other staff as appropriate
		1

2.3	**STD TRNG: HyperArc- Onsite** Standard Training for HyperArc™ Planning. Intended audience includes physicists, dosimetrist/treatment planners and other staff as appropriate. Features: • Training Plan details will be provided by the training management team as part of your product implementation process. Topics covered can include: • Workflow treatment planning from CT protocol • Plan generation • Fixation device • Optimization • Plan preparation for imaging and treatment • Duration and Location: 1 day at customer site Prerequisites: • HyperArc installed Notes: • This entitled training is for up to 3 users • Offer is valid for up to 18 months after installation of product • Non-transferable to other products and services and non-refundable	1
2.4	**STD TRNG: HyperArc Follow Up Trng** Standard Training HyperArc™ Follow Up Training Onsite Features: • Applications trainer will provide on-site follow up visit to answer questions related to use of the system • Duration and Location: 1 day at customer site Prerequisites: • Customer must have already treated patients using the HyperArc system • Customer must have completed the HyperArc Consultant Support standard training Notes: • Offer is valid for up to 18 months after installation of product • Non-transferable to other products and services and non-refundable • This entitled training is for up to 3 users. The intended audience includes physicists, physicians, dosimetrists, treatment planners and other staff as appropriate • This training will optimally occur approximately 4 weeks after HyperArc go live.	1

Item	Description	Qty
2.5	**Non-Clinical HyperArc** Eclipse™ external beam planning for frameless, MLC-based delivery technique for single or multiple intracranial SRS targets in support of HyperArc™ delivery. Features: • Non-Clinical HyperArc Planning License for one (1) user Prerequisites: • Eclipse T-Box Software Package or Eclipse Educational/Research SFW Package • Non-Clinical RapidArc Planning	1
Section 3	Eclipse TPS Expansion	
3.1	**Eclipse Advanced Planner Desktop** Features: • Contouring and Image Registration Tools • 2D & 3D Photon Dose Calculation • 4D Planning & Image Support • 2D and 3D Brachytherapy Dose Calculation • Conformal Arc Planning • IMRT Planning • Eclipse Scripting API • DICOM RT/ DICOM Print Prerequisites: • Eclipse Calculation workstation	1
3.2	**Interactive IMRT Plannning** Interactive Intensity-modulated radiation therapy (IMRT) planning generates beam intensity profiles that optimize the dose distribution based on user-defined dose constraints. Features: • IMRT Planning for one (1) user Prerequisites: • Eclipse™ Planner Desktop	1
3.3	**RapidArc Planning Additional** An additional RapidArc® planning for one (1) user Features: • RapidArc Planning for one (1) user Prerequisites: • Eclipse RapidArc Planning	2
3.4	**RapidPlan Core** RapidPlan™ Knowledge-Based Planning Software leverages a machine learning approach and provides Dose Volume Histogram (DVH) estimation models for various disease sites. Features: • RapidPlan interface for one (1) user • DVH estimation models from Varian • Model Configuration interface for user defined DVH estimation models Prerequisites: • Interactive IMRT Planning	1
3.5	**RapidPlan Additional**	2

Item	Description	Qty
	RapidPlan™ interface for one (1) user Features: • RapidPlan interface for one (1) user Prerequisites: • RapidPlan Core	
3.6	**Multi-Criteria Optimization (MCO)** Eclipse™ MCO is a decision support tool incorporated within the existing IMRT or VMAT optimization workflow. MCO allows the end user to explore the impact that changing dose to a specific structure has on plan quality, target coverage, or organ at risk sparing. Features: • MCO license for one user Prerequisites: • IMRT or VMAT planning license • One of the following hardware configurations o A GPU (Graphics Processing Unit) enabled Eclipse calculation workstation or o An Eclipse Framework agent server (FAS)	1
3.7	**Multi-Criteria Optimization (MCO), Addit** Eclipse™ MCO is a decision support tool incorporated within the existing IMRT or VMAT optimization workflow. MCO allows the end user to explore the impact that changing dose to a specific structure has on plan quality, target coverage, or organ at risk sparing. Features: • MCO license for one user Prerequisites: • MCO license • IMRT or VMAT planning license • One of the following hardware configurations o A GPU (Graphics Processing Unit) enabled Eclipse calculation workstation or o An Eclipse Framework agent server (FAS)	1
3.8	**Multi-Criteria Optimization, (MCO) tier** Eclipse™ MCO is a decision support tool incorporated within the existing IMRT or VMAT optimization workflow. MCO allows the end user to explore the impact that changing dose to a specific structure has on plan quality, target coverage, or organ at risk sparing. Features: • MCO license for one user Prerequisites: • MCO licenses quantity ten (10) • IMRT or VMAT planning license • One of the following hardware configurations o A GPU (Graphics Processing Unit) enabled Eclipse calculation workstation or o A GPU (Graphics Processing Unit) enabled Eclipse Framework agent server (FAS)	1
3.9	**Plan Converter** Plan Converter enables theÂ clinician to quickly create aÂ new plan forÂ treatment delivery whenÂ an unexpected machine eventÂ occurs. Features: • Converts Volumetric Modulated Arc Therapy VMAT Plans to Varian step and shoot Intensity Modulated Radiation Therapy (IMRT) Plans • Converts IMRT Plans to Varian step and shoot IMRT Plans • Converts 3DCRT Plans to Varian 3DCRT Plans • Converts Varian Non-HD MLC Plans to Varian HD MLC Plans Prerequisites: • Eclipse™ Planner Desktop or Eclipse Advanced Planner Desktop	1

Item	Description	Qty
	• Interactive IMRT Planning and/or Eclipse VMAT Planning for IMRT and VMAT conversion	
3.10	**Portal Dosimetry Review Additional** Portal Dosimetry review for one (1) user. Features: • Portal dosimetry review for one (1) user Prerequisites: • Portal Dosimetry Package	1
3.11	**Portal Dosimetry Dose Calculation Additi** Portal Dosimetry Dose Calculation for one (1) user. Features: • Portal Dosimetry Dose Calculation for one Prerequisites: • Portal Dosimetry Package	1
3.12	**Eclipse Physicians' Desktop** Features: • Contouring and Image Registration Tools • 4D Planning & Image Support • Deformable Image Registration • Eclipse Scripting API • DICOM RT/ DICOM Pint Prerequisites: • Eclipse Non-Calculation	3
3.13	**GPU Framework Agent Server (FAS)** A Framework Agent Server (FAS) that includes the necessary GPU (Graphics Processing Unit) cards required to support the Framework Agent Server GPU Algorithm license. The FAS is a high-performance server dedicated exclusively to running Varian's Eclipse Distributed Calculation Framework (DCF). FAS with DCF leverages specialized Grid Clustering power (network-based parallel processing) to optimize throughput for Eclipse planning and dose calculation in both native client/server topologies and Citrix environments. Multiple Framework Agent Servers may be configured to create a FAS Array. Features: • 2 GPU cards Prerequisites: • Eclipse v15.5 or higher Customer Responsibilities: • A properly networked environment connected at 1Gbps • Server rack equipped with power supply input voltage 208V/240V AC @50/60Hz 10A • Power Distribution Unit (PDU) or supply rail which outputs 208V/240V (1600W) • Computer Uninterruptible Power Supply (UPS)Â 220V • Installation of the server into the rack • Installation of server into existing customer domain Notes: • Server will not run on low-line 110V/120V AC • Does not support Windows Server 2008R2	2
3.14	**Eclipse GPU Workstation** An Eclipse Calculation Workstation that includes a GPU (Graphics Processing Unit) card Prerequisites: • Eclipse v15.5 or higher	1

Item	Description	Qty
3.15	**Eclipse GPU Workstation Kit** An Eclipse GPU (Graphics Processing Unit) kit enables the upgrade of an Eclipse Calculation Workstation to an Eclipse GPU Calculation Workstation. Features: • 1 GPU card Prerequisites: • An existing Eclipse GPU upgradable Calculation Workstation must be on site with the minimum hardware requirements. For detailed information on hardware requirements, refer to the Hardware Specifications at: www.varian.com/oncology/products/software/treatment-planning/eclipse-treatment-planning-system?cat=resources	2
3.16	**Eclipse Non-Calculation Workstation** Dell OptiPlex Workstation with single processor, and flat panel monitor Notes: Varian reserves the right to upgrade the hardware to the current model available at time of shipment.	3
3.17	**INCL ED: EC201 Eclipse Comm I Admin** INCL ED: EC201 Eclipse Comm I Admin Features: The Eclipse Administration and Physics course provides training primarily for Physicists. Depending on the facility, the course may be applicable to Dosimetrists and others responsible for initial system configuration and routine administration of Eclipse. The administration component of the course will focus on networking, system structure, management of user accounts and routine data backup. The physics component of the course will cover beam data requirements for the Eclipse treatment planning system. It will include sections on photon and electron beam algorithms. At the end of the course the learner will have received the instruction necessary to be able to commission basic Eclipse planning 3D system. Prerequisites: Medical Physicist Education Customer Responsibilities: Customer is responsible for all travel expenses: airfare, hotel, rental car, meals and travel incidentals. Notes: Includes Tuition and Materials for ONE person. Training is non-refundable and non-transferable. Offer is valid for 18 months after installation of product. Training must be taken at nearest Varian education center Length - 5 days For detailed course information and on-line registration, visit the Varian website at www.varian.com/index.html.	1
3.18	**INCL ED: EC101 Eclipse Basic Operations** INCL ED: EC101 Eclipse Basic Operations Features: The Eclipse Operations course provides initial training for Dosimetrist, Physicists and others responsible for daily use of the treatment planning system in the clinical environment. The course will provide an overview of Eclipse structure, graphical user interface, different workspaces and tasks. The focus will be on the import of CT data, image registration, structure segmentation, creation and edits of plans, fields and beam modifiers and evaluation of plans. Other topics include 2D planning using the digitizer and irregular field planning, simply brachytherapy and export to the record and verify system. 3rd party software is also covered.	1

Item	Description	Qty
	Prerequisites: Experience with and knowledge of treatment planning Basic knowledge of computers and the Windows Operating system Customer Responsibilities: Customer is responsible for all travel expenses: airfare, hotel, rental car, meals and travel incidentals. Notes: Includes Tuition and Materials for ONE person. Training is non-refundable and non-transferable. Offer is valid for 18 months after installation of product. Training must be taken at nearest Varian education center Length - 5 days For detailed course information and on-line registration, visit the Varian website at www.varian.com/index.html.	
3.19	**INCL ED: EC202 Eclipse Comm II IMRT** INCL ED: EC202 Eclipse Comm II IMRT Features: The course will cover IMRT planning with the Eclipse System and the delivery of IMRT using Varian dMLC. The Varian IMRT solution will be presented during the course, including the integration into the ARIA System. The course is designed for the Physicist. Part ONE will cover the use of the Eclipse IMRT software including the full treatment planning process with typical clinical case demonstration. Topics include IMRT planning algorithms, interfacing with other devices, definition of optimization parameters, QA parameters, and system commissioning. Part of the training course is reserved for hands-on training to covers typical clinical cases. A guest speaker will present on the use of IMRT planning in the clinical environment, clinical outcomes of IMRT, and radiobiological considerations (DVH, partial DVH, dose volume constraints). Part TWO covers delivery methods. Topics covered include a detailed description of the MLC hardware, the MLC and Clinac control systems for dynamic dose delivery, dMLC QA issues, and patient related QA procedures. Prerequisites: Medical Physicist Education Attendance of Eclipse Administration and Physics Course and/or Eclipse Operations Course; 2-3 month routine clinical use of Eclipse recommended Customer Responsibilities: Customer is responsible for all travel expenses: airfare, hotel, rental car, meals and travel incidentals. Notes: Includes Tuition and Materials for ONE person. Training is non-refundable and non-transferable. Offer is valid for 18 months after installation of product. Training must be taken at nearest Varian education center Length - 5 days For detailed course information and on-line registration, visit the Varian website at www.varian.com/index.html. Course is approved for Category "A" ASRT and MDCB continuing education credits.	1
3.20	**INCL ED: EC102 Eclipse Inv Plng IMRT RA** INCL ED: EC102 Eclipse Inverse Planning IMRT & RapidArc Features: The Eclipse IMRT Operations course provides instruction on inverse treatment planning with the Eclipse System. Course is designed for the Physicist and Dosimetrist. Course will cover the entire IMRT treatment planning process demonstrated on clinical cases such as prostate, breast and head and neck. Other topics covered are theory behind IMRT, contouring for IMRT, objectives and constraints, verification plan, data export and image registration. Majority of the course is reserved for hands-on application.	1

Item	Description	Qty
	Prerequisites: Attendance in the Eclipse Operations course Recommend 2-3 month routine clinical use of Eclipse prior to course attendance. Customer Responsibilities: Customer is responsible for all travel expenses: airfare, hotel, rental car, meals and travel incidentals. Notes: Includes Tuition and Materials for ONE person. Training is non-refundable and non-transferable. Offer is valid for 18 months after installation of product. Training must be taken at nearest Varian education center Length - 4 days For detailed course information and on-line registration, visit the Varian website at www.varian.com/index.html. Course is approved for Category "A" ASRT and MDCB continuing education credits.	
3.21	**STD TRNG: Eclipse** Training is included with the purchase of Eclipse. Training plan details will be provided by the training management team as part of your product implementation process. • Offer is valid for 18 months after installation. Training is not transferable with other products and services	1

3.22	**STD TRNG: MCO-Remote**
	
	Standard Training for Multi-Criteria Optimization (also known as Trade-off Analysis). Intended audience includes physicists, dosimetrist/treatment planners and other staff as appropriate.
	Features:
	• Training Plan details will be provided by the training management team as part of your product implementation process. Topics covered can include:
	  ◦ Workflow
	  ◦ Plan Generation
	  ◦ Trade off exploration
	• Duration and Location:2 hour remote session
	Prerequisites:
	• Multi-Criteria Optimizatin installed
	Notes:
	• Offer is valid for up to 18 months after installation of product
	• Non-transferable to other products and services and non-refundable
		1

3.23	**INCL ED: RP201 RapidPlan Implementation** The RapidPlan™ Implementation course is designed to equip RapidPlan customers with the knowledge necessary to successfully implement RapidPlan in their clinic. The training is designed to ensure that users become competent and confident in using RapidPlan functionality within the Eclipse™ treatment planning system. Users will be provided the knowledge to help them gain mastery of knowledge-based planning concepts as well as experience using and creating DVH estimation models, including the ability to verify and validate models. Features: • Introduction to RapidPlan • Applying RapidPlan Models • Model Configuration Workspace • Varian Models and Validation Process • Creating a Prostate Model • Creating a Head-Neck Model • Guest Speaker Presentation • Webinar Videos • Duration: 3 day instructor led course at nearest Varian Education Center Prerequisites: • Eclipse™ Treatment Planning System installed and accepted • Eclipse v13.6 or higher • Completion of EC101 and EC102 (or equivalent) courses	1

Item	Description	Qty
	• Access to Model Analytics Customer Responsibilities: • All travel expenses (airfare, hotel, rental car, meals and travel incidentals) Notes: • Includes tuition and materials for one person per core license • Offer is valid for up to 18 months after installation of product • Non-transferable to other products and services and non-refundable	
3.24	**STD Trng: RapidPlan** Training is included with the purchase of RapidPlan. Training plan details will be provided by the training management team as part of your product implementation process. • Offer is valid for 18 months after installation. Training is not transferable with other products and services	1
3.25	**Non-Clinical RapidPlan** Non-Clinical RapidPlan™ Knowledge-Based Planning Software leverages a machine learning approach and provides Dose Volume Histogram (DVH) estimation models for various disease sites. Features: • Non-Clinical RapidPlan interface for one (1) user • Non-Clinical DVH estimation models from Varian • Non-Clinical Model Configuration interface for user defined DVH estimation models Prerequisites: • Eclipse T-Box Software Package or Eclipse Educational/Research SFW Package	1
3.26	**Non-Clinical Multi-Criteria Optimization** Eclipse™ MCO is a decision support tool incorporated within the existing IMRT or VMAT optimization workflow. Trade-off exploration with MCO allows the end user to explore the impact that changing dose to a specific structure has on plan quality, target coverage, or organ at risk sparing. Features: • MCO license for one (1) user Prerequisites: • Eclipse T-Box Software Package or Eclipse Educational/Research SFW Package • Non-Clinical RapidArc Planning • Workstation graphics processing unit (GPU) algorithm license or a framework agent server graphics processing unit (GPU) algorithm license	1
3.27	**Non-Clinical RapidArc Planning** Non-Clinical Eclipse™ RapidArc® Planning supports dynamic arc treatments produced through volumetric dose optimization to generate intensity modulated dose distributions in optimized arcs. Features: • Non-Clinical RapidArc Planning for one (1) user Prerequisites: • Eclipse T-Box Software Package or Eclipse Educational/Research SFW Package	1
Section 4	Velocity	
4.1	**VELOCITY GRID CLIENT WRKSTN HARDWARE** Velocity GRID client workstation hardware. Features: • 64-bit Intel® Multi-Core Processor • 64-bit Microsoft® Windows operating system pre-installed • Discrete graphics hardware (GPU) • External monitor • Gigabit speed (1Gbps) Ethernet	2

Item	Description	Qty
	Prerequisites: • Velocity GRID server Customer Responsibilities: • Network connectivity from client workstation to Velocity GRID server installation	
4.2	**VELOCITY LARGE SERVER HARDWARE (2U)** Velocity GRID rack-mounted 2U server hardware. Features: • 2U Rackmount Server with Rails • 64-bit Intel® Multi-Core Processor • 64-bit Microsoft® Windows Server operating system preinstalled • Local drive storage in RAID for Velocity GRID database • Gigabit (1 Gbps) Ethernet • 10Gbit (10 Gbps) Ethernet Prerequisites: • Velocity GRID Server software license Customer Responsibilities: • Network connectivity Notes: • Data backup is the responsibility of the customer. No internal or external backup unit is included with this server. • Velocity GRID server hardware is not intended for clinical use of Velocity Client application. Separate client hardware is necessary for clinical use of Velocity software. Refer to Varian Medical Systems website for Velocity client hardware requirements.	1
4.3	**VELOCITY GRID-2 CONCURRENT USER LICENSES** Velocity GRID is a vendor-neutral client/server solution for medical imaging and oncology data. The Velocity GRID Platform includes the GRID Software Server License and two (2) Concurrent User Velocity Licenses. This package allows for two users in a department to simultaneously perform Velocity functions with all data being stored centrally on the Velocity GRID server. Features: • Velocity GRID Server includes features for data storage and archiving data (including DICOM and non-DICOM). The server features include: • Store both DICOM and non-DICOM data in Velocity GRID • DICOM Auto-Importer automatically parses and associates data • Query-Retrieve Engine can pull data from other DICOM locations (C-FIND, C-MOVE, C-STORE) • Auto-Import CDs or other file data from workstations • Velocity GRID uses centralized encrypted data store • Velocity Concurrent User License(s) include the following client features: • Multi-modality deformable image registration • Advanced contouring tools • RT plan review • Dose tracking and accumulation • 4D tools • Response assessment workflows Licenses: • One (1) GRID Software Server License that runs on a Windows server hardware and software. GRID server has a central database for storing data and a licensing manager for regulating the number of concurrent users logged into the GRID. GRID Software also provides Oncology PACS features for storing, sharing and moving data around the oncology department. • Two (2) Concurrent User Licenses to be actively logged into the GRID server using Velocity functionality on any workstation in the department that has access to the GRID server and meets minimum specifications for Velocity hardware requirements. Prerequisites: • Dedicated Server that meets minimum hardware requirements as per http://www.varian.com. • No hardware included. Customer Responsibilities: • A properly networked environment (for detailed information on network requirements, refer to the Oncology Systems Network Configuration Guidelines at http://www.varian.com)	1

Item	Description	Qty
4.4	**ADD'L CONCURRENT USER LIC-VELOCITY GRID** Add'l Concurrent User Lic-Velocity Grid Additional Concurrent User License for Velocity GRID is an add-on software package that contains only the client software license for an existing Velocity GRID system. Features: • Velocity Concurrent User License includes the following client features: • Multi-modality deformable image registration • Advanced contouring tools • RT plan review • Dose tracking and accumulation • 4D tools • Response assessment workflows Licenses: • One (1) Additional Concurrent User License to be actively logged into an existing GRID server using Velocity functionality on any workstation in the department that has access to the GRID server and meets minimum specifications for Velocity hardware requirements. Training/Implementation: This package does NOT contain any customer training. Prerequisites: • Existing Velocity GRID server platform • No hardware included. Customer Responsibilities: • A properly networked environment (for detailed information on network requirements, refer to the Oncology Systems Network Configuration Guidelines at www.varian.com/us/oncology/services_and_support/hardware_specifications/)	1
4.5	**Velocity Pinnacle TAR file conversion** VelocityGRID and VelocityAI – Pinnacle TAR file import license Features This is a software license for VelocityGRID and VelocityAI which provides: • Ability to import data from Pinnacle TAR files, once extracted • Ability to convert planning data extracted from Pinnacle TAR data to DICOM CT, RT-Structure, RT-Dose, and RT-plan formatPrerequisites Requires purchase of VelocityGRID or VelocityAI . Notes No Hardware Included.	1
4.6	**STD TRNG: VELOCITY** Training is included with the purchase of Velocity. Training plan details will be provided by the training management team as part of your product implementation process. • Offer is valid for 18 months after installation. Training is not transferable with other products and services	1
4.7	**Large Storage Appliance (2U)** Rackmount (2U) storage appliance. Provides network accessible block level storage and file level storage for clinical applications. Features: • Windows Storage Server • Internal storage in RAID • Supports iSCSI for block level storage • Provides NAS functionality • Gigabit (1 Gbps) Ethernet • 10Gbit (10 Gbps) Ethernet Customer Responsibilities: • Network connectivity Notes: • Configuration of this flexible storage appliance is customer responsibility.	1

Item	Description	Qty
4.8	**VELOCITY RAPIDSPHERE LICENSE (Y90)**	1

Velocity™ RapidSphere™ is a software license for site-wide Y90 microsphere activity-to-dose conversion. Velocity RapidSphere converts Single Photon Emission Computed Tomography (SPECT) imaging to volumetric DICOM RT-DOSE over imaged regions of a patient, allowing dose volume histograms to be generated for those regions.The Velocity RapidSphere license applies to a single VelocityGRID server or single Velocity AI Standalone Workstation database.

Features:

- Converts SPECT imaging of appropriate acquisition to RT-DOSE in Gray (Gy)
- Supports Y90 Radionuclide
- Supports Local Deposition Model (LDM)

Prerequisites:

- VelocityGRID or Velocity AI Standalone Workstation
- Velocity v4.0 or higher

Customer Responsibilities:

- Provide SPECT images appropriate for LDM conversion. Refer to MyVarian for complete documentation of requirements.
- Knowledge of injected activity, tissue density, lung-shunt fraction, and other parameters are required to perform activity-to-dose conversion.
- Contouring is required for organ-specific tissue density calculation.

Section 5 ARIA Radiation Oncology

5.1	**ARIA RO Base Integrated w/ Eclipse**	1

The Varian System database is the core component of the Oncology Information System. The relational database serves as the repository for patient information and images imported to or captured by the database.

Features:

- Varian System Database license for one (1) site with system administration
- Data Segmentation license for one (1) Varian System database which provides features and tools for managing the configuration of ARIA® for sites that have more than one physical hospital, department or location to emulate in ARIA
- License Package for one (1) T-Box
- ARIA Unified Reporting Application (AURA) for ARIA OIS for Radiation Oncology for One (1) site

Prerequisites:

For the Varian System Database:

- If present: ,

Customer Responsibilities:

- Initiate use of Smart Connect application to allow remote monitoring and service support.
- Determine and enter department data to configure the system or provide Varian Professional Services with sufficient data to configure the system for them. (Professional services are optional and may be purchased separately)
- A Microsoft® Active Directory Domain Controller running on an independent server

Notes:

- ICD-10 usage disclaimer:

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- The use of ICD-10 in this Product does not imply any endorsement by WHO of any specific product.
- The ICD-10 codes shall not be amended, abridged, translated, deleted or in any other way changed without the consent of WHO.
- The ICD-10 codes are for the internal use of the end user. They are not to be reproduced, transmitted or distributed outside of the user's organization in any form or by any means.
- ICD-10 is distributed without warranty of any kind, either express or implied. In no event shall the World Health Organization be liable for damages, including any general, special, incidental, or consequential damages, arising out of the use of ICD-10.
- In the United States only:

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- ARIA includes the ability to cross-map ICD-9 CM and ICD-10 CM codes in v15.0 and higher using web services linking to Intelligent Medical Objects (IMO). The user accepts that the IMO service delivered with ARIA is for a period ending on May 12, 2020, unless further extended by Varian.
- The T-Box may not be used clinically.

Item	Description	Qty
5.2	**ARIA RO Smart Space** The ARIA® for Radiation Oncology (RO) Smart Space provides basic demographic information, diagnosis, staging, radiation therapy data management, reporting, charge capture and workflow management tools for one (1) user. ARIA enables your treatment team to make informed, confident decisions for patients, and provides the tools required to effectively manage the administrative aspects of your department. Features: • ARIA RO Smart Space - One (1) license for one (1) concurrent user Prerequisites: • Varian System Database v15.0 or higher; • Varian system compatible server hardware and operating system in a properly networked environment. For detailed specifications, please visit www.varian.com/hardwarespecs • Microsoft® Windows operating system installed on workstations • Microsoft® Office 2013 or 2016. Customer Responsibilities: • The in-vivo interface is an additional purchasable option for ARIA Chart QA. • A Microsoft® Active Directory Domain Controller running on an independent server Notes: • ICD-10 usage disclaimer: , • In the United States only: ,	22
5.3	**ARIA Disease Mgmt Smart Space** The ARIA® Disease Management Smart Space is a component of the oncology information system that includes the comprehensive electronic medical record (EMR) capabilities that enable clinical staff members to evaluate, monitor, record and document patient health information throughout the entire treatment process. The Documents workspace allows clinical staff to create, display and store patient related documents within the electronic medical record (EMR) including Document Approval. Features: • One (1) license for one (1) concurrent user Prerequisites: • Varian System Database v15.0 or higher • ARIA RO Smart Space • Microsoft® Office 2013 or 2016 • Microsoft® Windows operating system installed on workstations • A properly networked environment (For detailed specifications, refer to the Network Configuration Guidelines at http://www.varian.com/hardwarespecs Customer Responsibilities: • A Microsoft® Active Directory Domain Controller running on an independent server Notes: • ICD-10 usage disclaimer: , • The use of ICD-10 in this Product does not imply any endorsement by WHO of any specific product. • The ICD-10 codes shall not be amended, abridged, translated, deleted or in any other way changed without the consent of WHO. • The ICD-10 codes are for the internal use of the end user. They are not to be reproduced, transmitted or distributed outside of the user's organization in any form or by any means. • ICD-10 is distributed without warranty of any kind, either express or implied. In no event shall the World Health Organization be liable for damages, including any general, special, incidental, or consequential damages, arising out of the use of ICD-10. • In the United States only: • In the United States only: , • ARIA includes the ability to cross-map ICD-9 CM and ICD-10 CM codes in v11MR5 and higher using web services linking to Intelligent Medical Objects (IMO). The user accepts that the IMO service delivered with ARIA is for a period ending on May 12, 2020, unless further extended by Varian.	1
5.4	**Addl ARIA Disease Mgmt Smart Space** The ARIA® Disease Management Smart Space is a component of the oncology information system that includes the comprehensive electronic medical record (EMR) capabilities that enable clinical staff members to evaluate, monitor,	4

Item	Description	Qty
	record and document patient health information throughout the entire treatment process. The Documents workspace allows clinical staff to create, display and store patient related documents within the electronic medical record (EMR) including Document Approval. Features: • One (1) license for one (1) concurrent user Prerequisites: • Varian System Database v15.0 or higher • ARIA RO Smart Space • ARIA compatible workstation in a properly networked environment. • Microsoft® Windows operating system installed on workstations • Microsoft® Office 2013 or 2016. • Varian System compatible server hardware. • For detailed specifications, please visit http://www.varian.com/hardwarespecs Customer Responsibilities: • A Microsoft® Active Directory Domain Controller running on an independent server Notes: • ICD-10 usage disclaimer: , • The use of ICD-10 in this Product does not imply any endorsement by WHO of any specific product. • The ICD-10 codes shall not be amended, abridged, translated, deleted or in any other way changed without the consent of WHO. • The ICD-10 codes are for the internal use of the end user. They are not to be reproduced, transmitted or distributed outside of the user's organization in any form or by any means. • ICD-10 is distributed without warranty of any kind, either express or implied. In no event shall the World Health Organization be liable for damages, including any general, special, incidental, or consequential damages, arising out of the use of ICD-10. • In the United States only: • ARIA includes the ability to cross-map ICD-9 CM and ICD-10 CM codes in v15.0 and higher using web services linking to Intelligent Medical Objects (IMO). The user accepts that the IMO service delivered with ARIA is for a period ending on May 12, 2020, unless further extended by Varian.	
5.5	**ARIA Oncology Imaging Smart Space** The Imaging Smart Space is a component of the Oncology Information System, ARIA®. This image management component of the system provides comprehensive image review to patient verify patient positioning using reference and treatment images. Enhancement and analysis tools for portal images (MV), kV and Cone Beam CT images acquired with the on-board imager are included. Features: • One (1) license for one (1) concurrent user Prerequisites: • Varian System database v15.0 or higher • ARIA RO Smart Space • Image server hardware • Microsoft® Windows operating system installed on workstations • ARIA compatible workstation in a properly networked environment • For detailed specifications, please visit http://www.varian.com/hardwarespecs Customer Responsibilities: • A Microsoft® Active Directory Domain Controller running on an independent server	5
5.6	**ARIA eDoc** The ARIA eDoc software printer can convert various documents into PDF format. With one click, the user can automatically insert those PDF files into the ARIA® oncology information system Dynamic Documents workspace ensuring a safe and secure workflow. Features: • Printed PDF document can be automatically inserted into the correct patient's chart based on the patient Identification number • Ability to merge PDFs and insert a header (customizable) • PDF/A standard Prerequisites: • ARIA oncology information system v11.0 or higher	1

Item	Description	Qty
	• ARIA RO Smart Space v11.0 or higher • ARIA RO Disease Management Smart Space (which includes Dynamic Documents license) v11.0 or higher • ARIA oncology information system compatible workstation in a networked environment (64-bit required). • SmartConnect® Customer Responsibilities: • Ghostscript™ and RedMon© available on the server where ARIA eDoc will be installed • Microsoft® Windows 7 Professional operating system or higher (64-bit required) installed on workstations	

5.7	**ARIA T-Box**
	
	The ARIA® T-Box is a software package intended to provide basic connectivity testing to a Hospital Information System or 3rd party treatment planning system in a non-clinical isolated evaluation environment. The T-Box may not be used clinically.
	
	Features:
	• ARIA RO Smart Space Package (Five (5) concurrent users)
	• ARIA Disease Management Smart Space Package (Five (5) concurrent users)
	• ARIA Oncology Imaging Smart Space Package (Five (5) concurrent users)
	• Varian System database (One (1))
	• DICOM RT (One (1))
	• T-Box server hardware (One (1))
	• On-Site Customer Installation
	Prerequisites:
	• IEM interface server (One (1)), if IEM is purchased.
	• For detailed information on network, hardware and operating system requirements, please visit http://www.varian.com/hardwarespecs
	Customer Responsibilities:
	• ARIA compatible workstation in a properly networked environment (optional).
	• If T-Box is to be used for HL7 connectivity evaluation, then IEM must be purchased separately.
	• A Microsoft® Active Directory Domain Controller running on an independent server
	• Microsoft® Office
	Notes:
	• ICD-10 usage disclaimer: ,
	  ◦ The use of ICD-10 in this Product does not imply any endorsement by WHO of any specific product.
	  ◦ The ICD-10 codes shall not be amended, abridged, translated, deleted or in any other way changed without the consent of WHO.
	  ◦ The ICD-10 codes are for the internal use of the end user. They are not to be reproduced, transmitted or distributed outside of the user's organization in any form or by any means.
	  ◦ ICD-10 is distributed without warranty of any kind, either express or implied. In no event shall the World Health Organization be liable for damages, including any general, special, incidental, or consequential damages, arising out of the use of ICD-10.
	• In the United States only: ,
	  ◦ ARIA includes the ability to cross-map ICD-9 CM and ICD-10 CM codes in v15.0 and higher using web services linking to Intelligent Medical Objects (IMO). The user accepts that the IMO service delivered with ARIA is for a period ending on May 12, 2020, unless further extended by Varian.
		1

5.8	**STD TRNG: ARIA** 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. • Offer is valid for 18 months after installation of product. Training is not transferable with other products and services	1
5.9	**STD TRNG: ARIA RO EMR** Training will be included as part of the implementation plan if Clinical Assessment and Dynamic Document training has not been provided to this site. • Offer is valid for 18 months after installation. Training is not transferable with other products and services	1

Item	Description	Qty
5.10	**ARIA For Radiation Oncology Over Citrix** The ARIA for Radiation Oncology over Citrix license enables traceability of the ARIA applications installed in to a Citrix farm. Notes: • Only one (1) "ARIA Over Citrix" license is required per Citrix Farm where the ARIA applications are installed.	2
5.11	**Citrix Svc Req/Serv (Normal Bus Hrs)** Citrix® Service Request per Server (Normal Business Hours) Troubleshooting Citrix XenApp™ (or Presentation Server®) implementations, or adding Citrix XenApp (or Presentation Server) Server(s) to an existing Citrix Farm intended for the addition of ARIA or Eclipse clients. Add one (1) or more servers to an existing Citrix Farm whereby ARIA or Eclipse clients were not previously available. - OR- Troubleshoot customer IT/S initiated Citrix implementation for the publishing of ARIA or Eclipse applications over Citrix whereby the Varian software product fails to work as intended. ARIA Client applications if purchased under Practice Management and Radiation Oncology will be published in a Citrix environment. Eclipse Treatment Planning Client application if purchased will be published in a Citrix environment. Review the then-current Citrix Customer Release Notes to understand a) what limitations exist with ARIA or Eclipse client applications or features when published in a Citrix farm, b) what editions of Citrix have been qualified for ARIA and Eclipse, and c) what support exists for national languages. XenApp (or Presentation Server) software can be installed onto multiple servers intended for a Citrix Farm. Neither Citrix licenses nor any hardware for this environment will be included. Prerequisites: • Citrix XenApp (or Presentation Server) Licenses and adequate quantities shall be procured by the customer; • Existing Citrix XenApp (or Presentation Server) environment or later is currently available and properly configured such as but not limited to the following: (1) Citrix IMA Database, (2) Citrix Website, (3) Citrix Software, (4) Citrix Admin Accounts. • Windows Server CALs and Windows Terminal Server CALs with adequate quantities shall be procured by the customer; • Hardware compatible for a Citrix installation shall be installed in a networked environment by the customer. • Network requirements for Citrix Server; 100 MBs (1 GBs recommended) for LAN and T1 or faster for WAN (T3 is highly recommended). ADDITIONAL SERVERS IN FARM HARDWARE REQUIREMENTS (sold separately): • For a detailed description of our current hardware recommendations, please refer to the Varian website: http://www.varian.com/hardwarespecs" target="_blank">www.varian.com/hardwarespecs • Varian will not be responsible for service or support for any customer purchased computer hardware or software. Customer Responsibilities: • Citrix compatible hardware purchased by customer (for detailed information on hardware requirements, refer to http://www.varian.com/hardwarespecs" target="_blank">www.varian.com/hardwarespecs; and • A properly networked environment (For detailed information on network requirements, refer to the Network Configuration Guidelines at www.varian.com/ hardware specs) • Customer to purchase in advance appropriate quantities of Citrix XenApp (or Presentation Server) licenses, Windows Server Client Access Licenses (CAL), and Windows Terminal Server (CAL) for the Citrix environment • Varian shall be provided with remote access to the intended Citrix Server(s) • A domain account including credentials with local administrator privileges for each intended Citrix server shall be made available to Varian • Customer shall self-maintain all aspects of the Citrix environment post VARIAN's initial installation such as but not only limited to the following: (1),Adding additional Citrix licenses, and (2),Adding additional users, and (3),Adding additional Citrix server hardware, and (4),Adding Citrix server(s) to your domain, and (5),Citrix software updates and upgrades, and (6),Maintenance and Support agreements with Citrix Systems, Inc., and (7),Maintain a silo environment for ARIA and/or Eclipse clients over Citrix.Installation and Support Installation of Citrix XenApp (or Presentation Server) software and Varian Client applications onto each intended server is limited to ONE (1) full business working day for the Varian Service Engineer. • OR- Troubleshooting of customer IT/S initiated Citrix XenApp (or Presentation Server) implementation for publishing of ARIA and/or Eclipse applications over Citrix whereby the Varian software product failed to work as intended and will be limited to ONE (1) full business working day for the Varian Service Engineer. If more than ONE (1) full business working day for the Varian Service Engineer is required, then additional "Citrix Service Request per Server (Normal Business Hours)" will be ordered.	2

Item	Description	Qty
	Citrix XenApp (or Presentation Server) installation and support will not be covered as part of any of VARIAN service agreement. Installer will train the hospital IT/IS staff on the basic fundamentals as part of the installation process if needed. Onsite Citrix installations will be subject to any and all additional charges related to travel on behalf of Varian at cost.	
5.12	**Accelerated Third Party Data Migration** The accelerated data migration allows customers to have existing Radiation Oncology data migrated from a single Mosaiq®, Lantis™ or MultiAccess™ database to a new or existing single Varian database. In this migration, Radiation Oncology data is transferred as a report in a PDF document accessible within the documents workspace of ARIA®. Please refer to the Whitepaper on varian.com for complete details. Features: The following data elements are transferred within the report PDF document: • Base demographics • Next of kin • Diagnosis • Plan summary/details • Field summary/details • Treatment summary/details • Reference point summary • Patient clinical notes • Scheduling information • Escribe and Escan documents Prerequisites: • Installation of SmartConnect™ to allow migration analyst to work remotely • Test system with sufficient space to accommodate migrated data • Microsoft® Word® and Adobe® Reader® installed on test system • Communications from test system to production for SQL Server® (port 1431), file sharing, HL7 communications and ARIA Web server (port 56001) Customer Responsibilities: • Participate in consulting meetings with Varian. • One customer representative should be assigned as a lead and single point of contact • Reconcile all issues identified in the pre-migration report as well as any issues raised during the testing phase. Varian cannot reconcile erroneous or missing data in the third-party database and Varian cannot move forward with the production migration until all issues have been resolved. • Schedule mapping: The database analyst will provide a list of staff, locations, and activity codes linked to schedule data in the third-party database. The customer must work with the assigned Varian clinical consultant to complete a mapping document to specify which staff, location, and activity codes go with which staff, location, and activity in ARIA. The accuracy of the schedule migration relies on this mapping document being completed accurately. • Document mapping: The database analyst will provide a list of document types stored in the third-party system – the customer (normally working with a Varian clinical consultant) must use this list to create a mapping document to specify which document types in the third-party database map to equivalent document types in ARIA. • Accept/sign off on test migration prior to production migration. Notes: • Typical timespan for the Migration Process is 8 – 12 weeks • The Migration process has the following phases: • The data migrated into ARIA is not the legal record of treatment. The original third-party database or charts must be archived and will remain the legal record of treatment. • Treatment plans for active patients must be manually replanned and verified according to the treatment planning switchover process during the cutover to ARIA. • It must be determined which system has the master copy of ADT data (third-party database or ARIA). That is, it needs to be established whether or not the third-party system will overwrite any existing base demographic records in ARIA. • A prerequisite of all migrations is that the source database contains a consistent and unique patient ID scheme. If the migration is to an existing Eclipse™ treatment planning system/ARIA system or if IEM/ARIA Connect® interfaces are implemented, the patient ID scheme of the source system must not clash or overlap with the existing patient population. Failing to reconcile patient IDs will result in duplicated or errant merges of patient records. • Referring physician transfer: If IEM/ ARIA Connect interfaces are implemented or if there is a pre-existing library of referring physicians, the referring physician ID coming from the third-party database must match the ID coming through the interfaces and/or the ID that is already present in the existing library. If the IDs from the third-party database do not meet this requirement, an import of this data will lead to incomplete or duplicate referring physician records.	1

Item	Description	Qty
	• The following data elements are not transferred: • Treatment image data • Image data – DRRs • Field photos • Billing data • In-vivo dosimetry data • Insurance data • Current medication list • Clinical assessments • Motorized wedges • Relative couch position data for fields • Vital signs data • Lab data	
Section 6	ARIA and CPRS interfacing	
6.1	**ARIA Connect for ARIA RO** ARIA Connect for ARIA Oncology Information System (OIS) for Radiation Oncology (RO) manages messages and interfaces to external hospital or clinic systems, billing systems and/or integration engines. It matches, filters, and/or manipulates messages based on configurable logic to support clinical business rules. Also, it transfers inbound data messages into the ARIA database. Features: • The ARIA Connect engine supports standard HL7 messaging, conforming to HL7 versions 2.2, 2.3, 2.4 and 2.5.1 Schema (2.7). • The ARIA Connect engine also supports custom interfaces. Prerequisites: • ARIA RO v13.6 and higher; • ARIA Connect - compatible server hardware (for a detailed description of hardware requirements, please refer to: www.varian.com/hardwarespecs); • HL7 compliant third party systems (i.e. HIS, Billing, Labs or other systems). Notes: • All the systems to be interfaced must reside on the same network as the ARIA Connect engine server and Oncology Information System server(s), or have networking capability; • The user cannot install any third party software on the ARIA Connect engine server or the Oncology Information System database server(s). • Varian's Smart Connect is required to allow for remote access for installation, updates, upgrades, monitoring, and service support. Note: sites not allowing remote connection must purchase additional on-site service and configuration with their interfaces; and • All interfaces must be quoted in addition to this line item, in accordance with the needs of the customer; and Customer Responsibilities: • The customer must have the ability to filter out non-oncology patient messages when required; • The prices do not include any additional hardware, software (such as HL7 interfaces) or changes required to the other 3rd party systems, consulting services required from any other 3rd party, or any changes that may be required to any Varian software. It is the customer's responsibility to determine any and all additional costs from the other vendors; • Customer participation is required in every interface project. Participation could be but is not limited to assisting in analyzing data, reviewing and signing off specifications, resolve data flow issues, reviewing and signing off test results. In addition, when required, the customer will also be responsible for getting participation from the other vendors; • After the interface(s) are implemented, customer must a) monitor the interface log on an ongoing, regular basis, and b) test the interface(s) when new releases of the software are installed. Up to two hours of training on monitoring the interface log(s) is included with this item; • The customer is responsible for providing a LAN and WAN network with sufficient capacity to support the traffic between the Oncology Information System database server(s) and the ARIA Connect engine and the third party systems interfaced; and • The customer is responsible for providing a secure high speed internet connection to allow access for remote for installations, upgrades, monitoring, and service support via Varian's Smart Connect. Customers who choose to not provide remote access must purchase additional on-site installation and configuration services.	1
6.2	**ARIA Connect for RO - Demographics**	1

Item	Description	Qty
	This interface processes inbound patient demographic data (HL7 ADT) from an HL7-compliant system into the ARIA Oncology Information System (OIS) for Radiation Oncology (RO). As new patients are added or existing patient demographic information changes in a 3rd party system, an HL7 ADT message is generated. This message is then sent to the ARIA Connect Interface Engine, processed, and the demographic information is updated in the ARIA database. Features: • Can be configured to either, 1) Auto-insert patient records into ARIA with no human interaction required, or 2) Park HL7 messages in order to allow the user to decide which patient have to be imported in ARIA (requires the separately available Patient Import package) • Can be configured to perform functions based on certain messages received (requires purchase of additional configuration support) • Can filter or process messages based on a variety of HL7 fields • Keeps patient status, addresses, next of kin and other demographic information up to date • Health (status) monitoring of interfaces is possible • Includes interface engine license • Prerequisites: • ARIA Connect • Dedicated server environment for ARIA Connect, as defined on www.varian.com/hardwarespecs • HL7 ADT compliant 3rd party system Notes: • This includes consulting, the creation of detailed specifications, configuration and testing of sample data, and implementation of a basic version of this interface. Up to 32 hours of configuration labor are included as a maximum implementation effort. If the scope requires more than that, additional work packages have to be purchased. • This interface shall be implemented within three years of purchase. Varian relies on customer's engagement to complete interface projects. In case the customer fails to provide the necessary resources within three years of purchase, this product shall be deemed to be delivered.Customer Responsibilities: In order to initially populate the ARIA database with ADT information, the sending system will need to trigger an HL7 ADT message for all active patients currently in their database. It is the customer's responsibility to coordinate this work with the existing registration system technical staff.	
6.3	**ARIA Connect for RO - Billing Out** This interface delivers clinical activity information from the ARIA Oncology Information System (OIS) for Radiation Oncology (RO) to one external billing system compatible with HL7 DFT. ARIA generates charge-related information in response to daily activities performed by the staff. Once this information is approved in ARIA, ARIA Connect will gather the data and send out HL7 DFT messages to the billing system at predefined scheduled times. Features: • Billing runs can be scheduled at any time • Billing interfaces can be configured to select professional, technical, and global charge types • Billing runs can be configured to select charges for specific hospitals and departments • Billing runs can be configured to send charges and / or credits • Multiple billing interfaces can run concurrently • Health (status) monitoring of interfaces is possible • Includes interface engine license Prerequisites: • ARIA Connect • Dedicated server environment for ARIA Connect, as defined on www.varian.com/hardwarespecs • HL7 DFT compliant 3rd party system Notes: • This includes consulting, the creation of detailed specifications, mapping of billing codes, configuration and testing of sample data, and implementation of a basic version of this interface. Up to 32 hours of configuration labor are included as a maximum implementation effort. If the scope requires more than that, additional work packages have to be purchased. • ARIA Connect can support many billing interfaces concurrently, but each billing system requires the purchase of its own interface. • ARIA Connect is able to export billing codes that are configured as exportable in ARIA Data Administration. • This interface shall be implemented within three years of purchase. Varian relies on customer's engagement to complete interface projects. In case the customer fails to provide the necessary resources within three years of purchase, this product shall be deemed to be delivered.	1

Section 7 ARIA configuration, workflow and training implementation

Item	Description	Qty
7.1	**CONSULT: Hr Rate RO Consulting Services**	144.0
	(Qty: 144, Credit per Qty: 1.0) Consulting Services are used in a variety of instances within Oncology Centers. Advisement can be provided for new or existing process workflow definition, paperless process flow (including the ARRA/HITECH initiative), new product implementation, or to streamline existing workflow with enhanced Varian product utilization. Based on the hours purchased a Statement of Work will be provided. A minimum of 24 hours must be purchased. Customer will be deemed to have accepted the Consulting Services after thirty (30) days from the completion date, unless Varian has received written notice of rejection within the thirty (30)-day period. Notwithstanding the foregoing, the Consulting Services will be deemed to be accepted by Customer after 18 months from the quotation signature date.	
7.2	**Advantage Contract Credits** Advantage Credits can be utilized for Varian's Professional Services, such as consulting, on-site applications training, education, and third-party services including physics services and clinical schools that are purchased through Varian. For further details, please reference the attached Terms and Conditions.	
7.3	**Product Apps Sp ARIA RadONC (per hour)**	40.0
	(Qty: 40, Credit per Qty: 1.0) Additional ARIA Radiation Oncology onsite training is available for previously trained Varian products. Sold and delivered by hours.	
Section 8	Eclipse Professional Services	
8.1	**Advantage Contract Credits** Advantage Credits can be utilized for Varian's Professional Services, such as consulting, on-site applications training, education, and third-party services including physics services and clinical schools that are purchased through Varian. For further details, please reference the attached Terms and Conditions.	
8.2	**Additional Advantage credits**	131.0
	(Qty: 131, Credit per Qty: 1.0) Undefined Advantage credits	
Section 9	Velocity Professional Services	
9.1	**Advantage Contract Credits** Advantage Credits can be utilized for Varian's Professional Services, such as consulting, on-site applications training, education, and third-party services including physics services and clinical schools that are purchased through Varian. For further details, please reference the attached Terms and Conditions.	
9.2	**Additional Advantage credits**	32.0
	(Qty: 32, Credit per Qty: 1.0) Undefined Advantage credits	