

REQUISITION: 607-B80009

REQUESTING SERVICE: ONCOLOGY

SHIP TO: WAREHOUSE

WM S MIDDLETON VET HOSP

ATTN: CHIEF, A&MM SVC

2500 OVERLOOK TERRACE

MADISON, WI 53705

HIGHLIGHTED AREAS NEED TO QUOTED AS SELECTABLE OPTIONS

Item	Description	Qty
Section 1	Scalable TrueBeam	
1.1	<p>TrueBeam Base System 120 MLC</p> <p>Treatment delivery system supporting X-Ray treatment delivery. 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 and upper port film graticule to support basic quality assurance.</p> <p>Features:</p> <ul style="list-style-type: none"> 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 <p>Prerequisites:</p> <ul style="list-style-type: none"> 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 <p>Customer Responsibilities:</p> <ul style="list-style-type: none"> 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. 	1
1.2	TrueBeam Version 2.7	1
1.3	New Universal Baseframe 52" Fixed Floor	1
1.4	<p>15/16 MV (BJR 11/17)</p> <p>40 cm x 40 cm maximum field size, dose rate range 0-600 MU/Min.</p>	1
1.5	<p>10/10 MV (BJR 11/17)</p> <p>40 cm x 40 cm maximum field size, dose rate range 0-600 MU/Min.</p>	1
1.6	<p>6/6 MV (BJR 11/17)</p> <p>40 cm x 40 cm maximum field size, dose rate range 0-600 MU/Min.</p>	1
1.7	<p>18 MeV, 0-1000 MU/Min</p> <p>25 cm x 25 cm maximum field size, dose rate range 0-1000 MU/Min.</p>	1

Item	Description	Qty
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: <ul style="list-style-type: none"> • 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: <ul style="list-style-type: none"> • Manual and automated positioning of the patient • Image-based 6DoF patient positioning with remote couch motion Prerequisites: <ul style="list-style-type: none"> • 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
1.17	RapidArc Treatment Delivery	1

Item	Description	Qty
	<p>RapidArc® Treatment Delivery is a volumetric modulated arc treatment delivery technique</p> <p>Features:</p> <ul style="list-style-type: none"> • 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 <p>Prerequisites:</p> <ul style="list-style-type: none"> • 120 Multi Leaf Collimator or HD120™ Multi Leaf Collimator • Eclipse™ treatment planning system v11.0 or higher • RapidArc treatment planning license 	
1.18	<p>kV Imaging System</p> <p>kV Imaging system, providing 2D radiographic and fluoroscopic and 3D CBCT imaging capability.</p> <p>Features:</p> <ul style="list-style-type: none"> • 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
1.19	<p>Triggered Imaging</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>Features:</p> <ul style="list-style-type: none"> • Respiration Triggered Imaging • MU Triggered Imaging • Gantry Triggered Imaging • Time Triggered Imaging • Autobeam Hold <p>Prerequisites:</p> <ul style="list-style-type: none"> • Respiratory Motion Management System 	1
1.20	<p>Advanced Resp Motion Management System</p> <p>Stereoscopic optical system for managing patient respiration motion during treatment delivery and imaging.</p> <p>Features:</p> <ul style="list-style-type: none"> • 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
1.21	<p>LAP Apollo Green Room Laser Kit</p> <p>Features:</p> <ul style="list-style-type: none"> • One Apollo Green Remote Controlled Ceiling Crosshair Laser • Two Apollo Green Remote controlled Lateral Crosshair Lasers • One Apollo Green Remote Vertical or Horizontal Controlled Sagittal Line Laser (selected prior to system production) 	1
1.22	<p>Enhanced Beam Conformance Specification</p>	1

Item	Description	Qty
	The Enhanced Beam Conformance Specifications provide tight tolerances for key X-ray and electron beam energy performance specifications.	
1.23	<p>Main Circuit Breaker Panel</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
1.24	<p>RPC Lung Phantom Service</p> <p>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.</p> <p>Features:</p> <ul style="list-style-type: none"> • 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 <p>Report of analysis from MDADL</p> <p>Prerequisites:</p> <p>Acceptance of TrueBeam® or Edge™ system with which the lung phantom will be used</p> <p>Customer Responsibilities:</p> <ul style="list-style-type: none"> • Login to www.myvarian.com to access the Customer Technical Bulletin CTB-GE-930 for instructions on redeeming the lung phantom service <p>Non-printing</p>	1
1.25	<p>CatPhan Phantom</p> <p>Phantom for measuring CBCT image contrast, spatial resolution, and uniformity.</p> <p>Features:</p> <ul style="list-style-type: none"> • Modules for measuring CBCT image contrast, spatial resolution, and uniformity <p>Prerequisites:</p> <ul style="list-style-type: none"> • kV Imaging system with CBCT 	1
1.26	<p>Optical Surface Monitoring Sys -TrueBeam</p> <p>The Optical Surface Monitoring System (OSMS) offers users real time tracking on the TrueBeam™ platform.</p> <p>Features:</p> <ul style="list-style-type: none"> • Optical Surface Monitoring System (OSMS) uses non-ionizing real time surface tracking to monitor patient motion • SRS phantom for QA <p>Prerequisites:</p> <ul style="list-style-type: none"> • TrueBeam System version 2.0 MR1 or higher • Motion Management Interface for TrueBeam • Qfix™ Encompass™ Mask Package when OSMS is purchased with the Edge® Radiosurgery System 	1
1.27	<p>Motion Management Interface</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>Features:</p> <ul style="list-style-type: none"> • 4-DoF or 6-DoF patient positioning capability for compatible validated devices and couch configurations • Integrated external device beam hold and image-based patient repositioning workflow • Patient-specific external device activation and patient plan verification 	1
1.28	STD TRNG: TB Platform On-Site	1

Item	Description	Qty
	<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>Features:</p> <ul style="list-style-type: none"> Includes support for TrueBeam/Edge/VitalBeam Offer is valid for 18 months after installation of product <p>Prerequisites:</p> <ul style="list-style-type: none"> TrueBeam Platform classroom trainings <p>Notes:</p> <ul style="list-style-type: none"> Training is non-refundable and non-transferable 	
1.29	<p>INCL ED:Varian Optical Surface Monitor</p> <p>Varian Optical Surface Monitoring Systems Training will be provided on this product.</p> <p>Features:</p> <ul style="list-style-type: none"> Recommended Participants: Radiation Therapists and Physicists Includes Tuition and Materials for TWO people Offer is valid for 18 months after installation of product <p>Customer Responsibilities:</p> <ul style="list-style-type: none"> Responsibilities depend on the region. <p>Notes:</p> <ul style="list-style-type: none"> Training is non-refundable and non-transferable 	1
1.30	<p>STD TRNG:Varian Optical Surface Monitor</p> <p>Training is included with the purchase of Varian Surface Monitoring Systems. Training plan details will be provided by the training management team as part of your product implementation process.</p> <p>Features:</p> <ul style="list-style-type: none"> Offer is valid for 18 months after installation of product <p>Notes:</p> <ul style="list-style-type: none"> Training is non-refundable and non-transferable 	1
1.31	<p>INCL ED: TB201 TB Platform Physicists</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>Features:</p> <ul style="list-style-type: none"> 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 <p>Customer Responsibilities:</p> <ul style="list-style-type: none"> Customer is responsible for all travel expenses (airfare, hotel, rental car, meals and travel incidentals) <p>Notes:</p> <ul style="list-style-type: none"> Training is non-refundable and non-transferable 	1
1.32	<p>INCL ED: TB101 TB Platform Operations</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</p>	1

Item	Description	Qty
	<p>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>Features:</p> <ul style="list-style-type: none"> • 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 <p>Customer Responsibilities:</p> <ul style="list-style-type: none"> • Customer is responsible for all travel expenses (airfare, hotel, rental car, meals and travel incidentals) <p>Notes:</p> <ul style="list-style-type: none"> • Training is non-refundable and non-transferable 	
1.33	<p>INCL ED: CL222 Respiratory Gating</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>Features:</p> <ul style="list-style-type: none"> • 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 <p>Customer Responsibilities:</p> <ul style="list-style-type: none"> • Customer is responsible for all travel expenses (airfare, hotel, rental car, meals and travel incidentals) <p>Notes:</p> <ul style="list-style-type: none"> • Training is non-refundable and non-transferable 	1
1.34	NLS: English	1
1.35	<p>Power Cond., 3phase 50KVA</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>Notes:</p> <ul style="list-style-type: none"> • Supports voltage configurations from 208 to 600 VAC and in 50 or 60 Hz for US and ROW applications. 	1
Section 2 Additional Therapist TrueBeam Training		
2.1	<p>Advantage Contract Credits</p> <p>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.</p>	
2.2	<p>ED: TB101 TrueBeam Platform Operations</p> <p>(Qty: 1, Credit per Qty: 16.0)</p> <p>Includes Tuition and Materials for ONE Person</p>	16.0

Item	Description	Qty
	<p>This course provides training for Radiation Therapists responsible for the operation of the TrueBeam, providing an overview of the TrueBeam system, hands-on training to include: system components, shutdown procedure, startup with basic morning QA procedures, startup after an emergency shutdown and power failure, basic administrative information and treatment and imaging scenarios to include: basic 2D and 2D-2D imaging, treatment with automation, LaserGuard II and Machine Protection, imaging and treatment with custom blocks, Cone-Beam CT , gated imaging and treatment with intra-fraction motion review, auto-beam hold and emergency treatment.</p> <p>Designed for Radiation Therapists who will treat patients on a daily basis and will be able to teach TrueBeam others users in the department</p> <p>Pre-Requisites: Clinical training in Radiation Therapy. Clinical experience if treating patients on Varian machines. Clinical experience of IGRT, OBI and Cone-Beam CT.</p> <p>Application has been made for MPCEC credits</p> <p>Duration and Location:</p> <p>4.0 days</p> <p>Varian Education Center</p> <p>Las Vegas, Nevada, USA</p> <p>Advantage Credits Eligible</p> <p>Customer is responsible for all travel expenses (airfare, hotel, rental car, meals and travel incidentals), unless otherwise stated.</p> <p><u>Total Advantage Credits for this Section: 16.0</u></p>	

Section 3 ARIA Radiation Oncology

3.1	<p>ARIA RO Base Integrated w/ Eclipse</p> <p>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.</p> <p>Features:</p> <ul style="list-style-type: none"> • 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 <p>Prerequisites:</p> <p>For the Varian System Database:</p> <ul style="list-style-type: none"> • If present: , <p>Customer Responsibilities:</p> <ul style="list-style-type: none"> • 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 <p>Notes:</p> <ul style="list-style-type: none"> • 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: • , 	1
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Item	Description	Qty
	<ul style="list-style-type: none"> 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 <u>may not</u> be used clinically. 	
3.2	<p>ARIA RO Smart Space</p> <p>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.</p> <p>Features:</p> <ul style="list-style-type: none"> ARIA RO Smart Space - One (1) license for one (1) concurrent user <p>Prerequisites:</p> <ul style="list-style-type: none"> 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. <p>Customer Responsibilities:</p> <ul style="list-style-type: none"> The in-vivo interface is an additional purchasable option for ARIA Chart QA. A Microsoft® Active Directory Domain Controller running on an independent server <p>Notes:</p> <ul style="list-style-type: none"> ICD-10 usage disclaimer: , In the United States only: , 	15
3.3	<p>ARIA Disease Mgmt Smart Space</p> <p>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.</p> <p>Features:</p> <ul style="list-style-type: none"> One (1) license for one (1) concurrent user <p>Prerequisites:</p> <ul style="list-style-type: none"> 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) <p>Customer Responsibilities:</p> <ul style="list-style-type: none"> A Microsoft® Active Directory Domain Controller running on an independent server <p>Notes:</p> <ul style="list-style-type: none"> 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

Item	Description	Qty
3.4	<p>Addl ARIA Disease Mgmt Smart Space</p> <p>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.</p> <p>Features:</p> <ul style="list-style-type: none"> • One (1) license for one (1) concurrent user <p>Prerequisites:</p> <ul style="list-style-type: none"> • 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 <p>Customer Responsibilities:</p> <ul style="list-style-type: none"> • A Microsoft® Active Directory Domain Controller running on an independent server <p>Notes:</p> <ul style="list-style-type: none"> • 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. 	7
3.5	<p>ARIA Oncology Imaging Smart Space</p> <p>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.</p> <p>Features:</p> <ul style="list-style-type: none"> • One (1) license for one (1) concurrent user <p>Prerequisites:</p> <ul style="list-style-type: none"> • 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 <p>Customer Responsibilities:</p> <ul style="list-style-type: none"> • A Microsoft® Active Directory Domain Controller running on an independent server 	2
3.6	<p>DICOM Modality Worklist</p> <p>Prerequisites:</p> <ul style="list-style-type: none"> • ARIA for Radiation Oncology v10.0; or ARIA Oncology Information System for Radiation Oncology (OIS RO) and ARIA for Radiation Therapy Management (RTM) system v11.0 or higher • The external imaging modality vendor's device must support the DICOM Modality Worklist as a Service Class User (SCU) as outlined in the Varian Worklist DICOM Conformance Statement, which is publicly available at www.varian.com 	1

Item	Description	Qty
	<ul style="list-style-type: none"> Customer responsibility: connectivity required by the 3rd party vendor has to be purchased directly from the vendor. <p>Customer Responsibilities:</p> <ul style="list-style-type: none"> Customer must purchase from the external imaging modality vendor any required software, hardware, and licenses when connecting to the ARIA DICOM Modality Worklist interface as these items are not included herewith; and Customer must confirm with the external imaging modality vendor that the required imaging device software version is compatible with the respective ARIA DICOM Modality Worklist interface version; and A single ARIA workstation is required for the ARIA DICOM Worklist interface with a local installation of the ARIA OIS RO and ARIA RTM v11.0 clients or higher for this instance. Customer may purchase hardware provided the hardware meets the requirements for the ARIA workstation for the respective version. (Refer to the hardware specifications located at http://www.varian.com/ARIA); and A properly networked environment (for detailed information on network requirements, refer to the Network Configuration Guidelines at http://www.varian.com/ARIA). A direct line of sight between the ARIA workstation and the external imaging modality device will be provided; and The Varian DICOM Modality Worklist Service can be installed remotely and therefore remote access to the Varian system is required. Additional charges will apply if on-site installation is required due to the lack of remote access. <p>The Varian Worklist Service for external vendors provides an interface, based on both DICOM Unified and Modality Worklists that allows compatible vendors to query for appointments that are scheduled in ARIA, as well as update the status of the appointments. In addition, procedure codes can be sent by the external vendor device and will be stored in ARIA when properly configured.</p> <p>Features:</p> <ul style="list-style-type: none"> Query for appointments, scheduled in ARIA: Appointment Scheduling workspace Update appointment status in ARIA: Appointment Scheduling for medical imaging devices such as MRI, CT, and PET. Capturing of charges (procedure codes (CPTs)) by ARIA 	
3.7	<p>docs2EHR Import Scanned Docs to ARIA</p> <p>Description</p> <p>The Docs2EHR software module utilizes the ARIA API and streamlines the process for scanning paper documents, and automatically assigns them to the correct patient's chart.</p> <p>Prerequisites:</p> <ul style="list-style-type: none"> ARIA v. 11 MR5 or higher Scanning equipment to create PDF or image documents and save them to a folder OR Faxing equipment to create PDF or image documents and save them to a folder <p>Features:</p> <ul style="list-style-type: none"> It is possible to select only specific pages in a PDF/Image document before importing into ARIA It is possible to re-order pages in a PDF/Image document before importing into ARIA It is possible to merge pages from multiple PDF/Image documents before importing into ARIA The corresponding patient can be selected directly from the ARIA database Documents can be sent to ARIA either in pending or approved status 	1
3.8	<p>eRx ARIA for Radiation Oncology Package</p> <p>ePrescribing for ARIA® for Radiation Oncology allows prescribers to communicate with pharmacies under contract with third party SureScripts LLC for the purposes of sending electronic prescriptions, receiving electronic refill requests, and support of related monitoring. The terms and conditions agreement with the third party SureScripts LLC will apply to this product only and not to ARIA or any other Varian product or service.</p> <p>Features:</p> <ul style="list-style-type: none"> ePrescribing for ARIA for Radiation Oncology for one (1) database server. Medi-Span Electronic Drug Database for five (5) concurrent users. Remote training on the use of ePrescribing for ARIA for Radiation Oncology to: register and manage prescribing end-users, send e-prescriptions, respond to refill requests electronically, monitor clinical activity, and monitor message logs. <p>Prerequisites:</p> <ul style="list-style-type: none"> Varian System Database v15.0 or higher 	1

Item	Description	Qty
	<ul style="list-style-type: none"> ARIA v15.0 or higher ARIA Disease Mgmt Smart Space v15.0 or higher ARIA for Radiation Oncology compatible server hardware and operating system in a properly networked environment. For detailed specifications, please visit www.varian.com/hardwarespecs Internet access for remote monitoring and support via Smart Connect. A signed copy of the e-Prescribing for ARIA for Radiation Oncology Software License Agreement (mandatory separate document) Medispan drug screening database <p>Customer Responsibilities:</p> <ul style="list-style-type: none"> Maintain subscription agreement in good standing with Zenith Transaction Services for Electronic Data Interchange (EDI) infrastructure & support Initiate use of Smart Connect application to allow remote monitoring and service support. A Microsoft® Active Directory Domain Controller running on an independent server <p>Notes:</p> <ul style="list-style-type: none"> For more information concerning ONC certification please see: www.varian.com/ARIA/ROMU. 	
3.9	<p>ARIA T-Box</p> <p>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 <u>may not</u> be used clinically.</p> <p>Features:</p> <ul style="list-style-type: none"> 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 <p>Prerequisites:</p> <ul style="list-style-type: none"> 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 <p>Customer Responsibilities:</p> <ul style="list-style-type: none"> 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 <p>Notes:</p> <ul style="list-style-type: none"> ICD-10 usage disclaimer: , In the United States only: , 	1
3.10	<p>STD TRNG: ARIA</p> <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"> Offer is valid for 18 months after installation of product. Training is not transferable with other products and services 	1
3.11	<p>STD TRNG: ARIA RO EMR</p> <p>Training will be included as part of the implementation plan if Clinical Assessment and Dynamic Document training has not been provided to this site.</p> <ul style="list-style-type: none"> Offer is valid for 18 months after installation. Training is not transferable with other products and services 	1
3.12	<p>STD TRNG: docs2EHR</p> <p>Training is included with the purchase of docs2EHR. Training plan details will be provided by the training management team as part of your product implementation process.</p>	1

Item	Description	Qty
	<ul style="list-style-type: none"> Offer is valid for 18 months after installation of product. Training is not transferable with other products and services 	
3.13	STD TRNG: Varian Worklist <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"> Offer is valid for 18 months after installation. Training is not transferable with other products and services 	1
3.14	STD TRNG: eRX ARIA <p>Training is included with the purchase of eRX ARIA for Radiation Oncology. 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"> Offer is valid for 18 months after installation of product. Training is not transferable with other products and services 	1
3.15	e-PCS for RO-Five Prescribers Per Year <p>This package consists of five licenses allowing five prescribers at an institution to sign up for use of ePrescribing for Controlled Substances for ARIA oncology information system (OIS) for Radiation Oncology (RO). ePrescribing for Controlled Substances for ARIA OIS for Radiation Oncology allows prescribers to communicate with pharmacies under contract with SureScripts LLC (third party) for the purposes of sending electronic prescriptions for controlled substances, receiving electronic refill requests for controlled substances, and related monitoring. This product feature in ARIA interfaces directly with DrFirst (third party) which in turn interfaces with SureScripts LLC. It is required that the customer agrees to terms and conditions imposed by DrFirst that applies only to the Dr First product and not to ARIA or any other Varian products or services.</p> <p>Features:</p> <ul style="list-style-type: none"> Allows registered providers to write, approve and transmit electronic prescriptions for controlled substances to registered pharmacies Allows registered providers to receive and reply to electronic refill requests for controlled substances Supports related monitoring <p>Prerequisites:</p> <ul style="list-style-type: none"> ARIA OIS for Radiation Oncology version 13.7 or higher Product feature "eRx Controlled Substances ARIA for Radiation Oncology" Existing SSA for ARIA OIS for RO <p>Customer Responsibilities:</p> <ul style="list-style-type: none"> Administrators will have to initiate and complete the registration process Each individual prescriber will have to complete identity proofing and token registration 	1

Section 4 TPS Eclipse		
4.1	23" LCD Monitor <p>23" LCD monitor</p>	1
4.2	INCL ED: EC102 Eclipse Inv Plng IMRT RA <p>INCL ED: EC102 Eclipse Inverse Planning IMRT & RapidArc</p> <p>Features:</p> <p>The Eclipse IMRT Operations course provides instruction on inverse treatment planning with the Eclipse System. Course is designed for the Physicist and Dosimetrist.</p>	1

Item	Description	Qty
	<p>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.</p> <p>Prerequisites: Attendance in the Eclipse Operations course Recommend 2-3 month routine clinical use of Eclipse prior to course attendance.</p> <p>Customer Responsibilities: Customer is responsible for all travel expenses: airfare, hotel, rental car, meals and travel incidentals.</p> <p>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</p> <p>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.</p>	
4.3	<p>INCL ED: EC202 Eclipse Comm II IMRT</p> <p>INCL ED: EC202 Eclipse Comm II IMRT</p> <p>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.</p> <p>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).</p> <p>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.</p> <p>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</p> <p>Customer Responsibilities: Customer is responsible for all travel expenses: airfare, hotel, rental car, meals and travel incidentals.</p> <p>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</p> <p>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.</p>	1
4.4	<p>INCL ED: EC101 Eclipse Basic Operations</p> <p>INCL ED: EC101 Eclipse Basic Operations</p> <p>Features:</p>	1

Item	Description	Qty
	<p>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.</p> <p>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.</p> <p>Prerequisites: Experience with and knowledge of treatment planning Basic knowledge of computers and the Windows Operating system</p> <p>Customer Responsibilities: Customer is responsible for all travel expenses: airfare, hotel, rental car, meals and travel incidentals.</p> <p>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</p> <p>For detailed course information and on-line registration, visit the Varian website at www.varian.com/index.html.</p>	
4.5	<p>INCL ED: EC201 Eclipse Comm I Admin</p> <p>INCL ED: EC201 Eclipse Comm I Admin</p> <p>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.</p> <p>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.</p> <p>Prerequisites: Medical Physicist Education</p> <p>Customer Responsibilities: Customer is responsible for all travel expenses: airfare, hotel, rental car, meals and travel incidentals.</p> <p>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</p> <p>For detailed course information and on-line registration, visit the Varian website at www.varian.com/index.html.</p>	1
4.6	<p>INCL ED: EC203 Portal Dosimetry</p> <p>INCL ED: EC203 Portal Dosimetry</p> <p>Features: The Portal Dosimetry course will cover commissioning, calibration and operation of Portal Dosimetry system. Course intended for the Physicist.</p> <p>Topics covered include introduction to Portal Dosimetry system covering hardware and software, Portal Dosimetry calibration, acquisition of portal dose images for dynamic delivery, analysis of portal dose images and recommended QA tests. Course curriculum includes practical exercises with live beam using aSi1000 Portal imager.</p>	1

Item	Description	Qty
	<p>Prerequisites:</p> <p>User of Varian PortalVision system, basic knowledge of portal Vision system</p> <p>Attendance in the Eclipse Administration and Physics course</p> <p>Recommend attendance in the Eclipse IMRT Administration and Physics course</p> <p>Clinical IMRT experience</p> <p>Medical Physicist Education</p> <p>Customer Responsibilities:</p> <p>Customer is responsible for all travel expenses: airfare, hotel, rental car, meals and travel incidentals.</p> <p>Notes:</p> <p>Includes Tuition and Materials for ONE person.</p> <p>Course is non-refundable and non-transferable.</p> <p>Offer is valid for 18 months after installation of product.</p> <p>Training must be taken at nearest Varian education center</p> <p>Length – 2.5 days</p> <p>For detailed course information and on-line registration, visit the Varian website at www.varian.com/index.html.</p>	
4.7	<p>STD TRNG: MCO-Remote</p> <p>Standard Training for Multi-Criteria Optimization (also known as Trade-off Analysis). Intended audience includes physicists, dosimetrist/treatment planners and other staff as appropriate.</p> <p>Features:</p> <ul style="list-style-type: none"> • Training Plan details will be provided by the training management team as part of your product implementation process. Topics covered can include: <ul style="list-style-type: none"> ◦ Workflow ◦ Plan Generation ◦ Trade off exploration • Duration and Location: 2 hour remote session <p>Prerequisites:</p> <ul style="list-style-type: none"> • Multi-Criteria Optimizatin installed <p>Notes:</p> <ul style="list-style-type: none"> • Offer is valid for up to 18 months after installation of product • Non-transferable to other products and services and non-refundable 	1
4.8	<p>STD TRNG: Eclipse</p> <p>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.</p> <ul style="list-style-type: none"> • Offer is valid for 18 months after installation. Training is not transferable with other products and services 	1
4.9	<p>Eclipse Non-Clinical Server Software Package</p> <p>A non-clinical Eclipse™ server base software package</p> <p>Features:</p> <ul style="list-style-type: none"> • Varian Database 	1
4.10	<p>Eclipse Non-ClinT-Box Software Pkg</p> <p>A non-clinical software package for the Eclipse™ Treatment Planning system</p> <p>Features:</p> <ul style="list-style-type: none"> • Multi-modality image support • Image registration • Contouring • External beam planning • Plan evaluation 	1

Item	Description	Qty
	<ul style="list-style-type: none"> • 2D brachytherapy planning • IMRT planning package <p>Notes:</p> <ul style="list-style-type: none"> • This is a non-clinical software package to be used for commissioning purposes, Eclipse Automation and for customer's internal training. • Non-Clinical systems may not be connected to the clinical database 	
4.11	<p>Acuros External Beam</p> <p>Acuros External Beam advanced dose calculation is a photon algorithm that provides dose calculation with the same accuracy as Monte Carlo with no statistical noise in a fraction of the calculation time.</p> <p>Licenses:</p> <ul style="list-style-type: none"> • Acuros External Beam <p>Prerequisites:</p> <ul style="list-style-type: none"> • Eclipse version 10.0 or higher must be installed on all Eclipse workstations in the network. 	1
4.12	<p>Eclipse GPU Workstation Standalone</p>	1
4.13	<p>Non-Clinical Acuros External Beam</p> <p>Acuros® External Beam (Acuros XB) is a photon algorithm that provides dose calculation with the equivalent accuracy as the Monte Carlo algorithm.</p> <p>Features:</p> <ul style="list-style-type: none"> • Non-Clinical Acuros XB algorithm <p>Prerequisites:</p> <ul style="list-style-type: none"> • Non-Clinical T-Box Software Package or Non-Clinical Educational/Research Software Package <p>Notes:</p> <ul style="list-style-type: none"> • GPU dose calculation support 	1
4.14	<p>Multi-Criteria Optimization (MCO)</p> <p>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.</p> <p>Features:</p> <ul style="list-style-type: none"> • MCO license for one user <p>Prerequisites:</p> <ul style="list-style-type: none"> • IMRT or VMAT planning license • One of the following hardware configurations <ul style="list-style-type: none"> ◦ A GPU (Graphics Processing Unit) enabled Eclipse calculation workstation or ◦ An Eclipse Framework agent server (FAS) 	1
4.15	<p>Multi-Criteria Optimization (MCO), additional</p> <p>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.</p> <p>Features:</p> <ul style="list-style-type: none"> • MCO license for one user <p>Prerequisites:</p> <ul style="list-style-type: none"> • MCO license • IMRT or VMAT planning license • One of the following hardware configurations <ul style="list-style-type: none"> ◦ A GPU (Graphics Processing Unit) enabled Eclipse calculation workstation or ◦ An Eclipse Framework agent server (FAS) 	1

Item	Description	Qty
4.16	<p>Non-Clinical Multi-Criteria Optimization (MCO)</p> <p>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.</p> <p>Features:</p> <ul style="list-style-type: none"> • MCO license for one (1) user <p>Prerequisites:</p> <ul style="list-style-type: none"> • 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
4.17	<p>Non-Clinical RapidArc Planning</p> <p>Non-Clinical Eclipse™ RapidArc® Planning supports dynamic arc treatments produced through volumetric dose optimization to generate intensity modulated dose distributions in optimized arcs.</p> <p>Features:</p> <ul style="list-style-type: none"> • Non-Clinical RapidArc Planning for one (1) user <p>Prerequisites:</p> <ul style="list-style-type: none"> • Eclipse T-Box Software Package or Eclipse Educational/Research SFW Package 	1
4.18	<p>Non-Clinical Portal Dosimetry Package</p> <p>Non-Clinical Portal Dosimetry provides the capability to perform pre-treatment Intensity Modulated Radiation Therapy (IMRT) or RapidArc® QA using the PortalVision electronic imager.</p> <p>Features:</p> <ul style="list-style-type: none"> • Non-Clinical Eclipse™ portal dose calculation for one (1) user • Non-Clinical Portal dosimetry review for one (1) user <p>Prerequisites:</p> <ul style="list-style-type: none"> • Eclipse T-Box Software Package or Eclipse Educational/Research SFW Package • Non-Clinical RapidArc planning for RapidArc portal dosimetry 	1
4.19	<p>Color Laser Printer</p>	1
4.20	<p>Eclipse Base Integrated with ARIA</p> <p>Eclipse™ Base Integrated with ARIA® package includes installation, education courses and on-site application training</p> <p>Features:</p> <ul style="list-style-type: none"> • Varian Database <p>Prerequisites:</p> <ul style="list-style-type: none"> • Compatible ARIA version • A properly networked environment Local Area Network (1 Gb recommended, 100 Mb required). Guidelines at www.varian.com/oncology/products/software/information-systems/aria-ois-radiation-oncology?cat=resources <p>Customer Responsibilities:</p> <ul style="list-style-type: none"> • A Microsoft® Active Directory Domain Controller running on an independent server 	1
4.21	<p>Eclipse Advanced Planner Desktop</p> <p>The Eclipse Advanced Planner Desktop includes software optimized for IMRT, frameless IMRS, 4D, Conformal Arc for DMLC, Electron Monte Carlo and 3D BrachyVision. This desktop package also includes IMRT planning for TrueBeam using the leaf motion calculator.</p> <p>Features:</p>	3

Item	Description	Qty
	<ul style="list-style-type: none"> For base treatment planning software which includes multi-modality image support including PET contouring, image registration and blending, clinical protocols, advanced segmentation, virtual simulation (Includes support of interfaces to all approved VSim systems), beam placement, plan evaluation, electronic plan approval, electronic chart and configurable printing of plan documentation; 2D and 3D dose calculation on a distributed calculation framework including beam configuration, IRREG, 3D conformal and field in field planning using Anisotropic Analytical Algorithm (AAA) or pencil beam convolution, and electron calculation using Generalized Gaussian Pencil Beam; 2D BrachyVision for film based brachytherapy planning; IMRT Planning package including beam angle optimization, Interactive IMRT optimization, electronic surface compensation and planar compensation. Support either split carriages or large-field IMRT. Planning for frameless IMRS; 4D Planning; Electron Monte Carlo; Conformal Arc Planning for DMLC; 3D BrachyVision; IMRT Planning support available with the Varian TrueBeam, includes leaf motion calculation algorithm integrated to the Eclipse Distributed Calculation Framework (DCF) to support both the sliding window (leaves move while radiation is ON) and multiple static segments (leaves move while radiation is paused and are static while radiation is ON). (This is available with a Varian TrueBeam). <p>Licenses: One (1) set of license of the above features</p>	

Prerequisites:

- An Eclipse Calculation Workstation must be on order with this desktop package (this workstation must be purchased from Varian Medical Systems).
- In a Citrix environment, an Eclipse Calculation Workstation or a Framework Agent Server must be on order with this desktop package (and must be purchased from Varian Medical Systems).

4.22 Eclipse Physician's/Simulation Desktop 1

The Eclipse Physician's Desktop is optimized for the physician and includes tools for registration, contouring, 4D, beam placement and plan approvals.

Features:

- Desktop package for ONE (1) base treatment planning software which includes multi-modality image support including PET contouring, image registration and blending, clinical protocols, advanced segmentation, virtual simulation (Includes support of interfaces to all approved VSim Systems), 4D Planning, beam placement, plan evaluation, electronic plan approval, electronic chart and configurable printing of plan documentation.

Licenses: One (1) set of license of the above features

Prerequisites:

- An Eclipse Non-Calculation Workstation must be on order along with this package (this workstation must be purchased from Varian Medical Systems).
- In a Citrix environment, an Eclipse Calculation Workstation or a Framework Agent Server must be on order with this desktop package (and must be purchased from Varian Medical Systems).

4.23 Eclipse RapidArc Planning License 1

Eclipse RapidArc Planning supports dynamic arc treatments produced through volumetric dose optimization using Dynamic MLC, variable dose rate and variable gantry speed to generate intensity modulated dose distributions in optimized arcs. Supports both coplanar and non-coplanar arcs.

Licenses:

- ONE (1) Eclipse Dose Dynamic Arc software option and license
- ONE (1) Conformal Arc for dMLC

Prerequisites:

- Eclipse version 10.0 or higher must be installed on all Eclipse workstations in the network
- Interactive IMRT Planning on Eclipse workstations
- Varian Linear Accelerator with RapidArc Delivery
- Minimum hardware requirements as per www.varian.com/us/oncology/services_and_support/hardware_specifications/

4.24 Eclipse RapidArc Planning Lic-Addl 1

Item	Description	Qty
	<p>Eclipse RapidArc Planning supports dynamic arc treatments produced through volumetric dose optimization using Dynamic MLC, variable dose rate and variable gantry speed to generate intensity modulated dose distributions in optimized arcs. Supports both coplanar and non-coplanar arcs.</p> <p>Licenses:</p> <ul style="list-style-type: none"> ONE (1) Eclipse Dose Dynamic Arc software option and license ONE (1) Conformal Arc for dMLC <p>Prerequisites:</p> <ul style="list-style-type: none"> Eclipse version 10.0 or higher must be installed on all Eclipse workstations in the network Interactive IMRT Planning on Eclipse workstations Varian Linear Accelerator with RapidArc Delivery Minimum hardware requirements as per www.varian.com/us/oncology/services_and_support/hardware_specifications/ 	
4.25	<p>Portal Dosimetry Package</p> <p>Portal Dosimetry provides the capability to perform pre-treatment IMRT QA using the PortalVision electronic imager. Dose prediction images are generated with Eclipse and can be viewed, compared and evaluated with the acquired images from the electronic imager.</p> <p>Licenses:</p> <ul style="list-style-type: none"> One (1) Portal Dosimetry license (Varian Dosimetry Review license) One (1) Eclipse Portal Dose Calculation license , <p>Prerequisites:</p> <ul style="list-style-type: none"> Eclipse 3D Treatment Planning System (not including Eclipse SV) PortalVision amorphous silicon imaging system Compatible version of Varian Information Management system, or Compatible version of Varian Image Management system Dedicated Varian Image management server hardware. PVI aS1000 for Clinacs if RapidArc is used Max supported dose rate: maximum of 600 MU/min @ 100 cm source-to-imager distance PVI aS500 or aS500-II on Clinacs if RapidArc is not used Max supported dose rate : maximum of 400 MU/min @ 100 cm source-to-imager distance Higher dose rates can be achieved by imaging at extended distances *NOTE: Portal Dosimetry does not support HIM* 	1
4.26	<p>Eclipse Non-Calculation Workstation</p> <p>Dell OptiPlex Workstation with single processor, and flat panel monitor</p> <p>Notes:</p> <p>Varian reserves the right to upgrade the hardware to the current model available at time of shipment.</p>	1
4.27	<p>Eclipse Calculation Standalone Wrkstn</p> <p>Eclipse™ Calculation Workstation with backup</p>	1
4.28	<p>Eclipse GPU Workstation</p> <p>An Eclipse Calculation Workstation that includes a GPU (Graphics Processing Unit) card</p> <p>Prerequisites:</p> <ul style="list-style-type: none"> Eclipse v11 or higher 	3
4.29	<p>STD TRNG: SMART SEGMENTATION</p> <p>Description:Standard Training Eclipse Upgrade from v10.0 and lower to v15.1</p> <p>Features:</p> <p>Training Plan details will be provided by the training management team as part of your product implementation process</p> <p>Training provided on the new features and enhancements from the current version to v15.1.</p>	1

Item	Description	Qty
	<p>The major new features covered are:</p> <ul style="list-style-type: none"> • User Home and Quicklinks • New Contouring tools and user interface • Enhanced 4D planning tools • Security changes for approval • Custom couch creation • Reference Points • DICOM Import/Export Application • New Optimization workspace and algorithm • New Structure code dictionary • mArc Siemens support • Elekta 160 Agility MLC support • Eclipse Visual Scripting • Eclipse Automation <p>Customer Responsibilities:</p> <ul style="list-style-type: none"> • The Customer resources involved in this training should include: Physicist and Dosimetrist/Treatment Planners and other staff as appropriate • Prior to the upgrade, please review the customer responsibilities document, product release notes and the Treatment Planning New Features Workbook for v11.0, v13.0, v13.5, v13.6 and v15.1. The product release notes and workbook can be found on www.MyVarian.com <p>Notes:</p> <ul style="list-style-type: none"> • Offer is valid for 18 months after installation of product • Training is not transferable with other products and services 	
4.30	<p>STD Trng: RapidPlan</p> <p>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.</p> <ul style="list-style-type: none"> • Offer is valid for 18 months after installation. Training is not transferable with other products and services 	1
4.31	<p>SmartSeg Knowledge Based Contouring</p> <p>Smart Segmentation Knowledge Based Contouring provides a combined atlas and model based approach to automated segmentation of structures together with tools for manual contouring or editing of structures. A library of already contoured expert cases is provided which is searchable by anatomy, staging, or free text. Users also have the ability to add or modify expert cases to suit their clinical needs.</p> <p>Licenses:</p> <ul style="list-style-type: none"> • ONE(1) SmartSegmentation Knowledge Based Contouring site license <p>Prerequisites:</p> <ul style="list-style-type: none"> • Eclipse version 11.0 or higher must be installed on all Eclipse workstations in the network 	1
4.32	<p>Non-Clinical SmartSegmentation Knowledge Based Contouring</p> <p>Smart Segmentation Knowledge Based Contouring® provides a combined atlas and model based approach to automated segmentation of structures.</p> <p>Features:</p> <ul style="list-style-type: none"> • Non-Clinical Expert case library • Non-Clinical Anatomical atlas • Non-Clinical Expert case creation and modification <p>Prerequisites:</p> <ul style="list-style-type: none"> • Non-Clinical T-Box Software Package or Non-Clinical Educational/Research Software Package 	1
4.33	<p>Non-Clinical RapidPlan</p> <p>Non-Clinical RapidPlan™ Knowledge-Based Planning Software leverages a machine learning approach and provides Dose Volume Histogram (DVH) estimation models for various disease sites.</p> <p>Features:</p> <ul style="list-style-type: none"> • Non-Clinical RapidPlan interface for one (1) user • Non-Clinical DVH estimation models from Varian 	1

Item	Description	Qty
	<ul style="list-style-type: none"> Non-Clinical Model Configuration interface for user defined DVH estimation models 	
	Prerequisites:	
	<ul style="list-style-type: none"> Eclipse T-Box Software Package or Eclipse Educational/Research SFW Package 	

4.34 **RapidPlan Core** 1

Varian's RapidPlan™ Knowledge-Based Planning Software leverages a machine learning approach and provides planning models for various disease sites. The user also has the capability of adding their own treatment plans to the planning model allowing customization to the clinic's treatment method and protocol.

Features:

- ONE (1) RapidPlan™ license for ONE (1) user
- DVH estimation models from Varian will be provided when available
- User defined configuration of DVH estimation models

Licenses:

- DVH Estimation Algorithm (site license)
- DVH Estimation Model Configuration (site license)
- DVH Estimation for one (1) concurrent user

Prerequisites:

- Eclipse version 13.5 or above needs to be present.
- An Eclipse Calculation Workstation
- Interactive IMRT and/or Eclipse VMAT Planning
- In a Citrix environment, an Eclipse Calculation Workstation or a Framework Agent Server

Section 5 **Velocity**

5.1 **VELOCITY GRID-2 CONCURRENT USER LICENSES** 1

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 www.varian.com/us/oncology/services_and_support/hardware_specifications/.

Item	Description	Qty
	<ul style="list-style-type: none"> No hardware included. <p>Customer Responsibilities:</p> <ul style="list-style-type: none"> 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/) 	

5.2	STD TRNG: VELOCITY	1
	<p>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.</p> <ul style="list-style-type: none"> Offer is valid for 18 months after installation. Training is not transferable with other products and services 	

Section 6 Advantage Credits

6.1	Advantage Contract Credits	
	<p>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.</p>	
6.2	Additional Advantage credits	120.0
	<p>(Qty: 120, Credit per Qty: 1.0)</p> <p>Undefined Advantage credits</p> <p><u>Total Advantage Credits for this Section: 120.0</u></p>	

Section 7 Velocity Hardware

7.1	Velocity GRID Client Wrkstn Hardware	2
	<p>Velocity GRID client workstation hardware.</p> <p>Features:</p> <ul style="list-style-type: none"> 64-bit Intel® Multi-Core Processor 64-bit Microsoft® Windows operating system pre-installed Discrete graphics hardware (GPU) External monitor Gigabit speed (1Gbps) Ethernet <p>Prerequisites:</p> <ul style="list-style-type: none"> Velocity GRID server <p>Customer Responsibilities:</p> <ul style="list-style-type: none"> Network connectivity from client workstation to Velocity GRID server installation 	
7.2	Velocity Server Hardware (1U)	1
	<p>Velocity GRID rack-mounted 1U server hardware.</p> <p>Features:</p> <ul style="list-style-type: none"> 1U 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 	

Item	Description	Qty
	<ul style="list-style-type: none"> • Gigabit (1 Gbps) Ethernet • 10Gbit (10 Gbps) Ethernet Prerequisites: <ul style="list-style-type: none"> • Velocity GRID Server software license Customer Responsibilities: <ul style="list-style-type: none"> • Network connectivity Notes: <ul style="list-style-type: none"> • 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. 	

7.3 Storage Appliance (1U) 1

Rackmount (1U) 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.

Section 8 Interoperability/Interfaces

8.1 Information Exchange Manager (IEM) RO 1

Information Exchange Manager™ (IEM) for Radiation Oncology (RO) Interface Engine Server License

The IEM Interface Engine is the essential core of logic and business rules that manages all messages and implemented 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. It assimilates data into the appropriate Oncology Information Systems database(s) to eliminate redundant data entry and provide a comprehensive view of the oncology patient record.

Licenses: Information Exchange Manager (IEM) for Radiation Oncology (RO) for ONE (1) interface server.

Prerequisites:

- ARIA which is at the same release level as ARIA Information Exchange Manager (IEM)
- Information Exchange Manager-compatible server hardware (for a detailed description of hardware requirements, please refer to: www.varian.com/aria);
- Varian's Smart Connect 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
- HL7 compliant third party systems (i.e. HIS, Billing, Labs or other systems). Custom interfaces are required to support non-HL7 third party systems.

Features:

- The IEM Interface Engine supports standard HL7 messaging, conforming to HL7 versions 2.2, 2.3 or 2.4. In the event that messages are non-HL7 compliant, a custom conversion program may be written to convert the inbound message into HL7 for processing. Other custom conversion programs can be written to convert outbound HL7 messages to non-HL7 formats for processing by third party systems;
- All the systems to be interfaced must reside on the same network as the IEM Interface Engine server and Oncology Information System server(s), or have networking capability;
- Software version number will be the latest at the time of shipment; and

Item	Description	Qty
	<ul style="list-style-type: none"> The user cannot install any third party software on the IEM Interface Engine Server or the Oncology Information System database server(s). <p>Notes:</p> <ul style="list-style-type: none"> All interfaces must be quoted in addition to this Interface Engine Server License, in accordance with the needs of the customer; and To ensure that all requested interface projects are successful, the following methodology is adhered to for each interface: a),Analysis of the requirements and production of a design document and project plan. b),Review and signoff of the design document and project plan. c),Vendor installation, setup and test of HL7 component or development of custom segment (if required). d),Mapping of codes (if applicable). e),Development of a custom interface (if required). f),Configuration / setup of the test and production environments at the customer site. g),Test the communications at the customer site. h),Test the interface at the customer site. i),Customer training (up to two hours done remotely by the interface team). j),Acceptance testing and verification of results in the test environment at the customer site. k),Signoff of the test results. l),Migration of the interface into the production environment. <p>Customer Responsibilities:</p> <ul style="list-style-type: none"> 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 components) 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 IEM Interface 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. 	

8.2 VA Interoperability Package for ARIA RO

1

This package is designed to provide interoperability between the ARIA Oncology Information System (OIS) for Radiation Oncology (RO) and a Veterans Administration (VA) hospital information system.

In addition to the HL7 interfaces, as described in Features below, this package includes the following services:

- Dynamic Document Development (up to 10 documents)
- One time patient data load
- One time schedule data load

Features:

This package is a solution that ensures (partly) bi-directional data flow between ARIA RO and VA including the following HL7 interfaces:

- Transfer of Demographics data from VA to ARIA RO
- Transfer of Scheduling data in both directions
- Transfer of notes from ARIA RO to VA
- Transfer of PDFs from ARIA RO to VA

Prerequisites:

- ARIA RO v11 or higher
- Interface Exchange Manager (IEM) Interface Engine License v11 or higher
- VA Hospital Vista Electronic Medical Record (EMR) HL7 compliant system
- Ability to export and import HL7 from and to the VA hospital information system
- IEM server at the VA hospital; for server hardware requirements, dedicated to interface software, see www.varian.com/hardwarespecs

Customer Responsibilities:

- A dedicated customer contact during the interface implementation project who liaises both with Varian and the VA IT department that hosts the HIS.
- Test and validate all data that comes through the interfaces. Testing and validation will be done in a test (T-Box) environment prior to going live with the interfaces.
- Provide remote access to the Varian Medical Systems Interface Analyst/Engineer. Additional charges will apply if Varian Medical Systems Analyst/Engineer needs to visit the site.

Notes:

Item	Description	Qty
	<ul style="list-style-type: none"> Purchase includes the creation of detailed specifications, configuration and testing of sample data, and implementation of interfaces. This interface is designed to meet VA Hospital specifications and was approved for use by the VA Hospital Administration 	

Section 9 RGSC for CT Accessories

9.1 **RGSC, couch mounted** 1

Respiratory Gating for Scanners (RGSC) is for respiration synchronized image acquisition on CT and PET-CT scanners. The RGSC system correlates tumor motion with the patient's breathing cycle.

Features:

- Monitors patient position during image acquisition in 3 motion axes
- Provides session recording
- The predictive filter monitors and predicts the patient's breathing pattern
- Coaching of patient during breathing using audio and optional visual support
- Includes five (5) marker blocks
- Couch mount camera configuration with quick-lock mechanism

Prerequisites:

- ARIA® v13 or higher, only if storing RGSC data in the ARIA database
- Compatible couch top
- RGSC option for validated CT/PET scanner
- Validated CT/PET-scanners

Customer Responsibilities:

- N/A ,

9.2 **STD TRNG: RGSC** 1

This onsite training is included with the purchase of Respiratory Gating for Scanners (RGSC). This training covers RGSC Overview, System Components, User Rights, Start up and Shut down, Reference Session Procedure, Visual Coaching Device (if applicable), Quality Assurance, and References. Training plan details will be provided by the training management team as part of your product implementation process.

Features:

- On-site training for using the RGSC system on a CT Scanner
- Length: 1 day
- Offer is valid for 18 months after installation of product

Prerequisites:

- RGSC system

Customer Responsibilities:

- Customer must ensure all trainees are available for the entire duration of scheduled training.

Notes:

- Training is non-refundable and non-transferable

9.3 **Connect with Siemens** 1

Respiratory Gating for Scanners (RGSC) is for respiration synchronized image acquisition on CT and PET-CT scanners. The RGSC system correlates tumor motion with the patient's breathing cycle.

Features:

- Monitors patient position during image acquisition in 3 motion axes
- Provides session recording
- The predictive filter monitors and predicts the patient's breathing pattern
- Coaching of patient during breathing using audio and optional visual support
- Includes five (5) marker blocks
- Couch mount camera configuration with quick-lock mechanism, or wall/ceiling mount options

Prerequisites:

- ARIA® v13 or higher, only if storing RGSC data in the ARIA database
- Validated Siemens CT/PET-scanners