SHIP TO: CHIEF, A&MMS B9001
V.A. Medical Center
RECEIVING WHSE BLD
2002 HOLCOMBE BLVD
HOUSTON, TX 77030-

P.O.# 580-B90013

Item	Description	Qty
Section 1	Quality Assurance	
1.1	**Addi Pat/Mach Linac, Varian TB Plat**	1

Package includes Mobius3D® patient-specific quaility assurance (QA) software platform and DoseLab® linear accelerator QA software for a treatment machine on the TrueBeam® platform.
Features:
- One (1) Mobius3D Patient QA MobiusCalc License for one (1) physical linear accelerator
  - Patient treatment plan dose verification
- One (1) Mobius3D Patient QA MobiusFX License for one (1) physical linear accelerator
  - Patient treatmentdelivery verification
- One (1) Mobius3D Patient QA MobiusCB License for one (1) physical linear accelerator
  - Patient cone-beam CT verification
- One (1) DoseLab Machine QA PKG for one (1) physical linear accelerator
  - Windows software for linear accelerator quality assurance and film dosimetry
  - Automated functions in the Mobius3D platform

Prerequisites:
- Mobius3D Patient QA Server or Megaserver
- Varian TrueBeam®, VitalBeamTM, Edge®, or TrueBeam STx® linear accelerator
- EclipseTM treatment planning system, or third-party treatment planning system capable of DICOM-RT export
- ARIA® oncology information system for radialion oncology or any compatible third-party oncology information system

Customer Responsibilities:
- DoseLab QA client computer with Windows XP or later, Microsoft Excel, 32-bit video card, 1024 x 768 minimum display, 2GB RAM, and 1GB hard drive space
- Configuration of shared network folders for automatic processing
- Validation testing of dose calculation and beam modeling
- Configuration of patient CBCT exports from third part oncology information systems
- Verify compatibility with third-party treatment planning systems and oncology information systems

Section 2	Advantage Credits	
2.1	**Advantage Contract Credits**	

Advantage Credits can be utilized for Varian's Professionai Services, such as consulting, on-site applications training, education, and third-party services including physics services and clinical schools that ate purchased throughVarian. For further details, please reference the attached Terms and Conditions.

2.2	**Additional Advantage credits**	50.0

(Qty: 50, Credit per Qty: 1.0)
Undefined Advantage credits

2.3	**Mobius3D Patient QA·Training**	10.0

(Qty: 1, Credit per Qty: 10.0)
The Mobius3D® Patient QA Training course is designed to·provide the clinical physicist the knowledge and understanding required to effectively operate the Mobius3D Patient QA software.A This class will examine the various parts of the Mobius3D Patient QA software platform.A
Features:
- Topics covered include:
  - Review of standard physics tasks including secondary plan checks
  - IMRTNMAT quality assurance (QA),

Item	Description	Qty
	o Daily treatment QA o Guidance on commissioning the Mobius3D Patient QA software for optimal results • Duration and Location: 1 day (8 hours a day) of training provided onsite at the customer location where available. Remote training is available for regions that onsite is not offered Prerequisites: • Mobius3D Patient QA Server or Megaserver installed • Mobius3D MobiusCalc installed Customer Responsibiiities: • Customer must make applicable staff and equipment available for Varian to fulfill its commitments Notes: • Offer is valid for 24 months after purchase Total Advantage Credits for this Section: 60.0	
rsectlon 3	**Ad}foe**	
3.1	**Identify** HumediQ	1
Section 4	**Scalable TrueBeam**	
4.1	**TrueBeam Base System 120 MLC** 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. Features: • 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 MR4.1 or higher or compatible third-party oncology information system • Eclipse™ treatment planning system v11 MR3 or higher or compatible third-party treatment planning system	1

Item	Description	Qty
	• Compatible server hardware and operating system. For detailed specifications, visit: www.varian.com/hardwarespecs Customer Responsibilities: • Verify compatibility with third-party oncology information systems • Verify compatibility with third-party treatment planning systems • If using a scale other than IEC 60601 or IEC 61,217 in the rest of the department, it may be necessary to change scales on all other machines. This may require additional purchases.	
4.2	**TrueBeam Version 2.7**	1
4.3	**New Universal Baseframe 52" Fixed Floor**	1
4.4	**18/23 MV (BJR 11/17)** 40 cm x 40 cm maximum field size, dose rate range 0-600 MU/Min.	1
4.5	**10/10 MV (BJR 11/17)** 40 cm x 40 cm maximum field size, dose rate range 0-600 MU/Min.	1
4.6	*616* **MV (B:1** q i 1'17) 40 cm x 40 cm maximum field size, dose rate range 0-600 MU/Min.	1
4.7	**20 MeV, 0-1000 MU/Min** 25 cm x 25 cm maximum field size, dose rate range 0-1000 MU/Min.	1
4.8	**16 MeV, 0-1000 MU/Min** 25 cm x 25 cm maximum field size, dose rate range 0-1000 MU/Min.	1
4.9	**12 MeV, 0-1000 MU/Min** 25 cm x 25 cm maximum field size, dose rate range 0-1000 MU/Min.	1
4.10	**9 MeV, 0-1000 MU/Min** 25 cm x 25 cm maximum field size, dose rate range 0-1000 MU/Min.	1
4.11	**6 MeV, 0-1000 MU/Min** 25 cm x 25 cm maximum field size, dose rate range 0-1000 MU/Min.	1
4.12	**IGRT Couch Top**	1

Item	Description	Qty
	Image Guided Radio Therapy (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 setup	
4.13	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
4.14	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
4.15	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
4.16	Low-X Imaging Energy Low-X imaging energy configuration, providing high soft tissue contrast when imaging in-line with the treatment beam.	1
4.17	Delta Couch Delta Couch supports automated management of treatment plan-based shifts from initial set up mark to treatment isocenter. Features: • Delta couch shift set-up Prerequisites: • True Beam® v2.7 or higher • ARIA® oncology information system for radiation oncology v11.0 MR4.1 or higher, or compatible third-party oncology information system Customer Responsibilities: • Verify compatibility with third-party oncology information systems if applicable	1
4.18	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	1

Item	Description	Qty
	• 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	
4.19	**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
4.20	**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
4.21	**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: ▫ Advanced Respiratory Motion Management System o Basic Respiratory Motion Management System ▫ Respiratory Motion Management System ▫ Optical Imager	1
4.22	**VCD w/Couch Mount - IGRT**	1
4.23	**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: • 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 deliverv	1

Item	Description	Qty
	• 4D CBCT Image Acquisition License: 4D kV CBCT image acquisition in Advanced Reconstructor Mode for post-treatment image reconstruction, viewing, and offline analysis Prerequisites: • TrueBeam® v2.7 • 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 • 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	
4.24	**Iterative CBCT** Iterative CBCT provides improved detectability of stationary or gating-immobilized soft tissue anatomy. Features: • Iterative CBCT license • Reconstruction computer with GPU hardware	1
4.25	**LAP Apollo Green Room Laser Kit** Features: • 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
4.26	**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
4.27	**Additional In-Room Monitor System** Additional in-room monitors that can be placed at customer discretion.	1
4.28	**Main Circuit Breaker Panel**	1

Item	Description	Qty
	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.	
4.29	**Integrated Collimator Verification & Interlock System (ICVI) for TrueBeam® platform** The Integrated Collimator Verification & Interlock (ICVI) system provides electronically-verified conical collimators for use in radiosurgical treatment delivery. Features: ▪ Conical collimator mounting system with integrated mount verification ▪ Set of 7 conical collimators with integrated verification ▪ Conical collimator set (in mm diameter): 4, 5, 7.5, 10, 12.5, 15, and 17.5 ▪ ICVI QA Toolkit Prerequisites: ▪ ARIA® oncology information systems for radiation oncology v11.0 or higher or compatible third-party. oncology information system ▪ Eclipse™ Cone Planning v11.0 or higher or compatible third-party treatment planning system Customer Responsibilities: ▪ Verify compatibility with third-party treatment planning systems if applicable ▪ Verify compatibility with third-party oncology information systems if applicable Notes: ▪ Includes MPC ICVI isocenter license and MPC ICVI conical collimator alignment license.	1
4.30	**Motion Management Interface** 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. Features: ▪ 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
4.31	**STD TRNG:** TB **Platform On-Site** The on-site review of the TrueBeam/EdgeNitalBeam 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/EdgeNitalBeam ▪ Offer is valid for 18 months after installation of product Prerequisites: ▪ TrueBeam Platform classroom trainings Notes: ▪ Training is non-refundable and non-transferable	1
4.32	**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 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,	1

Item	Description	Qty
	calibration, and QA of the TrueBeam and its components. Extensive hands-on laboratory exercises are included. Features: • Includes support for TrueBeam/EdgeNitalBeam • Includes Tuition and Mate.rials 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	
4.33	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/EdgeNitalBeam • 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
4.34	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
4.35	NLS: English	1

ADVANTL\GE CREDITS SUPPLEMENTAL TERMS AND CONDIT!ONS

(FORM R,t,,D 10442)

These Advantage Credits Supplemental Terms and Conditions ("Supplemental Terms") modify and supplement the Varian Terms and Conditions of Sale (Form R,1,0 1652, current version issued with the Quotation) (the "Terms and Conditions of Sale"). The terms of the al)plicable Vanan Quotation ("Quotation"), its attachments, 1nclud1ng the Terms ancl Conditions of Sale, are incorporated herein by this reference, and t'gether with these Supl)lemental Terms and any applicable Third Party Tern1s (as defined in the Quotation) (collectively referred to *as* the ".t,,gree,nent") will apply and govern tt,e use by Customer of .t..dvantage Credits.

1.0 General

The Varian ,\dvantage Credit Program (the "Progran, ·; offers cus,torners the ability to purchase Advantage Credits in advance that can be applied toward designated Varian Profe.-sion3I Services including certain consulting (e.g. specified and limited implementation and optimization services). on-sit;.! Training, educational courses and a limited number· of services provided by designated third party service providers, including clinical schools and physics commissioning services. Advantage Credits provide flexibility for the Customer to apply them interchangeably for those designated services available under the Program without r,aving to modify the underlying Quotation ancl related J)urchase order. However, Varian rnust b,i notified in advance and in writing L'f any requested changes to selected services.

2. Expiration Schedule

Advantage Crndits expire according to the followine schedule:

Type of Order	Expiration Date
Advantage Credits only (no Varian products)	24 months from date of order
Advantage Credits with one or more Varian products'	24 months from first date of product/service acceptance
Multiyear agreement	End of the term of agreement

3.0 Scopes of Work

Varian or its third party service providers may, at ti eir discretion, set forth 1n a written Scope of Work (SOW) a descr-iption of tl1e services to be provided by Varian or the third p◆rty service provider If the services that will be purchased with Advantage Credits are defined within the Quotation. Varian wi I offer the specific services listed for the amount of Advantage Credits indicated. If Advantage Credits in the Quotation ar, "Undefined"', Varian will indicate the number of Advantage Credits required for a particular service at the tirne tl1e Cus tonier wants to use theri1.

4.0 Third Party Service Providers

4; Certain services are provided by and through :hird party service providers tr1at are not affiliated with Varian. namely clinical schools and physrcs services (e.g. corn rnss1oning). Varian disclaims any warranty or performance obligations related to any third party service provider and will act solely as a pay agent. to collect fees for services from Customer and to pay fees for such services to the thircl party service provider. Customer tlas the final clecrs1on to purchase services through Varian third party service providers or to select another service provider outs1cle of the Quotation and Varian cloes not make any recommendations to use :hird party service providers

4.2 Changes to Third Party Service Providers by Customer. Customer shall have a one-time right lo request in writing that a thir·d party service provider be replaced witl1 an alternate provider that is pa1·tic1paling 1il the Program. If Varian. at its sole discretion, approves the request. Customer shall be subject to any related termination fees and additional costs incurr◆cl by Varian or the third party se1vice provider and other terms and conclit1ons indicated in the SOW andior

Quotation. Customer, the third party ser·vice provider, and if applicable, its subcontractors, shall have full responsibility for services as defined 111the Quotation or SOW. as applicable. and Varian shall have no respons1bil1ty, obligation and/or liability whatsoever for those services. The third party service provider shall not be construed to be a subcontractor, employee. or agent of Varian. Varian will fmward any requests for warranty wo,·k that it rnceives from Customer to the third party service provider. Except as otherwise provided in this section of the Quotation, the Terms and Conditions of Sale sl1all apply to tl1is section just as it applies to all other parts of the Quotation.

4.3 **Changes to Third Party Service Providers by Varian.** Varian reserves the right. at its sole discretion, to change. from time to time, its list of third party providers that participate in the Program.

5.0 Performance of Services

All services shall be performed by Varian or the third-party service provider unper permits. licenses. autl1ority, supervision, and control of Customer and ,ts staff, including licensed physicists, physicians, and other qualified healthcare professionals. Customer and ,ts staff shall have the requisite permits (Includlng applicable certificates of need). licenses. and authonty to oversee and have such services performed on Customer's behalf.

6.0 Service Offerings

Varian reserves the rrght. at its sole discretion, to chan,;,e Hie designated services which are offered under the P1·ogram at any time without prior notice. Varian will work with Customer to oifer a mutually acceptable alternative or apply affected credits toward other offerings within the Program.

Type	Product	Product Description	Quantity
New system	V1 - IDENTIFY CT Workflow	Palient identification and patient set up solution for CT simulation - Biometric patient identification - Assignment of patient set up devices and device positions on couch, including patient immobilization and couch inserts - Assignment of patient set up position on couch top - Set up note and set up photo generation and display - Planning Tool for offline editing - Training & Installation Included	1.00
New system	V 2 - IDENTIFY CT DIBH. Option	DIBH for CT Simulation•. - Respiration motion mqnitoring and. visual coaching for deep. Inspiration breath hold.CT image acquisition Prerequlsites: IDENTIFY CT Worl<flbw	1.00
New system	VS- IDENTIFY RT Workflow & SGRS Package	Patient identification and patient set up solution for treatment rooms - Biometric patient identification - Verification of patient set up devices and device positions on couch, including patient immobilization and couch Inserts - Verification of patient set up position on couch top - Bolus assignment and verification - Set up note and set up photo display - Surface-gulded patient positioning and motion monitoring better than 0.5mm accuracy - Visual coaching for deep inspiration breath hold treatments - DICOM Reference Surface Import for verification of patient set up to isocenter - SRS calibration package - Planning Tool for offfine editing - Training & Installation included	1.00
New system	V7 - IDENTIFY Welcome Desk	Biometric patient check-In anl:t appointment display. • Palm-based biometric. patieht checkaln • Patient appointment and locatlor1 display	1.00