SIEMENS Healthineers

Siemens Medical Solutions USA, Inc.
40 Liberty Boulevard, Malvern, PA 19355
Fax: (866) 309-6992

SIEMENS REPRESENTATIVE
Joe Lozano - (559) 259-1447

Customer Number: 0000008488

Date: 11/19/2018

NATIVIDAD MEDICAL CENTER
1441 CONSTITUTION BLVD
SALINAS, CA 93906-3100

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

Contract Total: $220,930
(total does not include any Optional or Alternate components which may be selected)

Proposal valid until 1/03/2019

Estimated Delivery Date: 12/2018

Estimated delivery date is subject to change based upon factory lead times, acceptance date of this quote, customer site readiness, and other factors. A Siemens representative will contact you regarding the final delivery date.

This proposal includes the trade-in of equipment referenced in Trade Sheet Project # 2018-3336.

This Quotation represents the Siemens offered training associated with the Products listed on Quotation 1-8TJEBZ. This Quotation also includes the standard rigging and installation costs associated with the System listed on Quotation 1-8TJEBZ. Customer is required to purchase this Quotation prior to signing the Notice to Manufacture Letter for the Products listed within Quotation 1-8TJEBZ.

Accepted and Agreed to by:

Siemens Medical Solutions USA, Inc.

By (sign): _____
Name: Joe Lozano
Title: Account Executive
Date:

NATIVIDAD MEDICAL CENTER

By (sign): _____
Name: _____
Title: _____
Date: _____

By signing below, signor certifies that no modifications or additions have been made to the Quotation. Any such modifications or additions will be void.

Created: 11/19/2018 2:53:00 PM
PRO 1-OXE9ME

Siemens Medical Solutions USA, Inc. Confidential

Reviewed as to fiscal provisions

Page 1 of 20

Reviewed
Stacy Saello
Dep Co. Counsel

Auditor-Controller
County of Monterey

11/26/18

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By (sign): _____

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Quote Nr:	**1-FVSZAS Rev. 7**
Terms of Payment:	00% Down, 80% Delivery, 20% Installation Free On Board: Destination
Purchasing Agreement:	VIZIENT SUPPLY LLC VIZIENT SUPPLY LLC terms and conditions apply to Quote Nr 1-FVSZAS

CT Clinical Education - Local

All items listed below are included for this system: *(See Detailed Technical Specifications at end of Proposal.)*

Qty	Part No.	Item Description	Extended Price
1	CT_INITIAL_32	**Initial onsite training 32 hrs** Up to (32) hours of on-site clinical education training, scheduled consecutively (Monday - Friday) during standard business hours for a maximum of (4) imaging professionals. Training will cover agenda items on the ASRT approved checklist. Uptime Clinical Education phone support is provided during the warranty period for specified posted hours. This educational offering must be completed (12) months from install end date. If training is not completed within the applicable time period, Siemens obligation to provide the training will expire without refund.	$7,800
1	CT_FOLLOWUP_32	**Follow-up training 32 hrs** Up to (32) hours of follow-up on-site clinical education training, scheduled consecutively (Monday - Friday) during standard business hours for a maximum of (4) imaging professionals. Uptime Clinical Education phone support is provided during the warranty period for specified posted hours. This educational offering must be completed (12) months from install end date. If training is not completed within the applicable time period, Siemens obligation to provide the training will expire without refund.	$7,800
2	CT_DEFSYNGO_BCLS	**Definition Systems Basic syngo Class** Tuition for (1) imaging professional to attend Siemens Classroom Course at Siemens Training Center. The objectives of this basic syngo class are to introduce the user to the Siemens SOMATOM CT Definition user interface of the syngo platform, scanning parameters and their effect on image quality, and instructions on building protocols, demonstration of software functions, and hands-on sessions. This class includes lunch, economy airfare, and lodging for (1) imaging professional. All arrangements must be arranged through Siemens designated travel agency. This educational offering must be completed (12) months from install end date. If training is not completed within the applicable time period, Siemens obligation to provide the training will expire without refund.	$9,000
1	CT_ADD_8	**Additional onsite training 8 hours** Up to (8) hours of on-site clinical education training, scheduled consecutively (Monday - Friday) during standard business hours for a maximum of (4) imaging professionals. Training will cover agenda items on the ASRT approved checklist if applicable. This educational offering must be completed (12) months from install end date. If training is not completed within the applicable time period, Siemens obligation to provide the training will expire without refund.	$3,500
1	14444627	**s.via CT bundle B (Identfier)** CT system bundled with syngo.via	$0

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Qty	Part No.	Item Description	Extended Price
1	14449236	**syngo.CT Bone Reading #1** syngo.CT Bone Reading provides a specific visualization for diagnostic bone assessment while reading radiological CT datasets. All ribs and the spine are displayed spread out in one plane and interactive functionality provides scrolling and rotating for efficient assessment of the complete anatomy. Additionally labels and numbers attached to the ribs and the spine allow time efficient reporting of potential lesion locations.	$11,073
1	14422524	**syngo.PET Cedars Suite #1** syngo.PET Cedars Suite provides the Cedars Cardiac Suite v2015 offering a comprehensive set of quantification programs for the evaluation of PET myocardial perfusion imaging on syngo.via.	$42,079
1	14422485	**syngo.SPECT Processing Engine #1** The syngo.SPECT Processing Engine provides a library of custom displays designed to visualize Nuclear Medicine data on syngo.via. It facilitiates quality control activities, image manipulation techniques, as well as cardiac, lung, thyroid, renal, gastric emptying and hepatobiliary processing.	$18,271
1	CT_DEINSTALL_EQ	**Deinstallation of Equipment - CT $14,830**	$14,830
1	CT_TRADE_IN_ALLOW	**CT Trade-in-Allowance LightSpeed Ultra SN: 749552, Project: 2018-3336, De-install/Expires: 02/2019 Trade Value: -1**	- $1
1	CT_PM	**CT Project Management** A Siemens Project Manager (PM) will be the single point of contact for the implementation of your Siemen's equipment. The assigned PM will work with the customer's facilities management, architect or building contractor to assist you in ensuring that your site is ready for installation. Your PM will provide initial and final drawings and will coordinate the scheduling of the equipment, installation, and rigging, as well as the initiation of on-site clinical education.	$0
1	CT_STD_RIG_INST	**CT Standard Rigging and Installation** This quotation includes standard rigging and installation of your CT new system. Standard rigging into a room with reasonable access, as determined by Siemens Project Management, during standard working hours (Mon. - Fri./ 8 a.m. to 5 p.m.) It remains the responsibility of the Customer to prepare the room in accordance with the SIEMENS planning documents. Any special rigging requirements (Crane, stairs, etc.) and/or special site requirements (e.g. removal of existing systems, etc.) is an incremental cost and the responsibility of the Customer. All other "out of scope" charges (not covered by the standard rigging and installation) will be identified during the site assessment and remain the responsibility of the Customer.	$9,000
1	14456832	**Server HW Config XL** syngo.via server hardware configuration XL. Hewlett Packard rack mount server.	$17,700
1	14413436	**HP Care Pack. 5y 24x7 HW Support** Prime HW Support for 5 years (for HW config L, XL or XL_10 ? ML350 Gen9)	$4,600
1	14444543	**syngo.via Extended Impl. Package** This package guarantees a high quality implementation and proper configuration on the Siemens backend.	$1,500
1	14429311	**PACS-Driven Implementation Pkg.** This PACS-Driven Implementation Package includes installation and integration services for syngo.via in a radiologic workflow mainly supported by the PACS functionality. This package includes professional services, such as:	$6,250

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Qty	Part No.	Item Description	Extended Price
		- Installation of the syngo.via server software on the server hardware	
		- Installation of the syngo.via client software on one clinical workplace for one user	
		- Connection to up to 5 DICOM nodes	
		- Image call-up of syngo.via from the PACS' user interface	
		- Assistance in setting up image call-up of syngo.via from the PACS' user interface. This may require the purchase of software and services from the PACS vendor.	
		- Configuration of basic syngo.via workflows and rules	
		- Integration of one syngo.via client workplace with one syngo MultiModality Workplace.	
		- Installation of WebViewer integrated license (syngo.via SW version VA30 or higher, country restrictions might apply).	
		- Installation of the syngo.via WebViewer client application on one Mobile Device or Web Client system if requested by the customer. Ensure that the customer's Web Clients / Mobile Devices fulfill the minimum requirements according to the syngo.via WebViewer Data Sheet. Verification of the syngo.via WebViewer basic functionality	
		- If applicable: Integration into the Local Area Network of the customer and to Siemens Remote Service over the internet connection plus basic installation service for the syngo.via HW system at the customer's site.	
1	14412656L	**Server HW Installation Standard** Basic installation of the syngo.via server hardware with the operating system at the customer's site by the hardware supplier. Integration into the Local Area Network of the customer and to Siemens Remote Service over internet connection. Please check that the following information is included in the customer quote: correct and complete delivery location, customer's contact person for implementation planning. See also the questions in the Sales Checklist, which supports you in evaluation of the customer's requirements.	$1,500
1	14412372L	**Classroom ClinicAdmin Training 5 day** The objective of this course is to give the participants the necessary theoretical knowledge and practical experience to routinely operate the syngo.via system, and to become acquainted with the settings and configuration of the system. Lectures and interactive practical exercises will familiarize the participants with the functionality of syngo.via and the clinical case specific applications. This class includes lunch, economy airfare, and lodging for (1) imaging professional. All arrangements must be arranged through Siemens designated travel agency This educational offering must be completed by the later of (12) months from purchase or install end date. If training is not completed within the applicable time period, Siemens obligation to provide the training will expire without refund.	$4,500
1	SY_VIRINTL_4	**Virtual Initial Consultation, syngo.via** This virtual initial consultation session, up to 4 hrs in duration, is designed to define the clinical customization of syngo.via specific to radiology workflow. Through direct communication with a clinical education specialist, this session will identify and configure site-specific workflow and imaging storage and retrieval parameters. This educational offering must be conducted no more than 4 weeks before the scheduled system turnover event. This consultation session will be scheduled during standard business hours, Monday through Friday. If training is not completed within the applicable time period, Siemens obligation to provide the training will expire without refund.	$1,050
1	SY_INITIAL_24	**Initial onsite training 24 hrs syngo.via** Up to (24) hours of on-site clinical applications training on syngo.via basic navigation and modality specific clinical workflows, scheduled consecutively (Monday - Friday) during standard business hours for a maximum of (4)users. Training will focus on the use of syngo.via in clinical routine and customization of systems based on workflow needs. This educational offering must be completed (12) months from turnover date. If training is not completed within the applicable time period, Siemens obligation to provide the training will expire without refund.	$6,300
1	SY_FOLLOWUP_16	**Follow up training 16 hrs, syngo.via** Up to (16) hours of follow-up on-site clinical applications training on syngo.via navigation and modality specific clinical workflows, scheduled consecutively (Monday - Friday) during	$4,900

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Qty	Part No.	Item Description	Extended Price
		standard business hours for a maximum of (4)users. Training will focus on the optimization of syngo.via in clinical routine and customization of systems based on clinical workflow needs. Advanced clinical applications will be covered for users previously attending initial applications training. This educational offering must be completed (12) months from turnover date. If training is not completed within the applicable time period, Siemens obligation to provide the training will expire without refund.	
1	14456436	**syngo.via XL-Software** The syngo.via XL-Software offers 2D, 3D, 4D multi-modality routine reading capabilities and a variety of advanced applications tailored to the XL-Server HW grade. The combination of syngo.via XL-Software and XL-Server Hardware is ideal for 5 - 15 users. The availability of all applications and workflows included in syngo.via XL-SW is virtually unlimited, i.e. the number of opened cases is only constrained by server HW resources. The syngo.via client runs on standard Windows computers in the network and integrates into radiologist's reading workplace (RIS; PACS) for efficient image reading based on a wide range of clinical applications (advanced visualization applications) for different clinical cases. Those applications are available as additional options for syngo.via. The optional advanced visualization applications/Engines follow the flexible concurrent user model (users working at the same time). The service support for syngo.via requires the provision of an administrator with dedicated tasks and a minimum broadband Internet connection bandwidth.	$49,277
1	14456483	**WebViewer User #1 Integrated Server** syngo.via WebViewer is a web-based client server add-on to syngo.via. It provides high-speed 2D and 3D image data review and basic manipulation functionality within the healthcare institution's network and through secure VPN connection both over LAN and wireless connections. The integrated server can be used for internal image distribution only (internet access only by VPN infrastructure). The syngo.via WebViewer runs on PC, Mac and laptops equipped with appropriate browsers, as well as on Apple iPad.	$0
1	14445228	**syngo.via local Impl. (Identifier)** Identifier for professional services completely provided by locally organized resources.	$0
1	14456549	**syngo.via Project Identifier** System identifier for syngo.via project	$0

System Total: $220,930

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

ACCESSORIES: Don't forget to ask us about our line of OEM imaging accessories to complete your purchase. All accessories can be purchased or financed as part of this order. To purchase accessories directly or to receive our accessories catalog, please call us directly at 1-888-222-9944 or contact your local Sales Representative.

COMPLIANCE: Compliance with legal and internal regulations is an integral part of all business processes at Siemens. Possible infringements can be reported to our Helpdesk "Tell us" function at www.siemens.com/tell-us.

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CT Warranty Information

Product (New Systems and "ECO" Refurbished Systems Only)	Period of Warranty[1]	Coverage	
SOMATOM.go			SOMATOM.go requires Smart Remote Services (SRS) Connection prior to system installation or requires purchase of "No SRS" option.
CT System (not including consumables)	12 months	Full Warranty (parts & labor, including ALL tubes) Principal Coverage Period 8am-5pm Monday through Friday [2]	

The parts warranty below only applies to purchased parts, not to replacement parts provided pursuant to a warranty. Repairs or replacements shall not interrupt, extend or prolong the term of the warranty.

Vectron	Prorated to a maximum of 160,000 scan-seconds or 12 months whichever occurs first	Prorated credit given to customer against replacement cost	credit percentage = (160,000 − scan-seconds used)/160,000*100
Straton	Prorated to a maximum of 160,000 scan-seconds or 12 months whichever occurs first	Prorated credit given to customer against replacement cost	credit percentage = (160,000 − scan-seconds used)/160,000*100
Dura 181, 202, 302, 352	Prorated to a maximum of 40,000 scan-seconds or 6 months whichever occurs first	Prorated credit given to customer against replacement cost	credit percentage = (40,000 − scan-seconds used) / 40,000*100
Dura Akron B tubes	Prorated to a maximum of 40,000 scan-seconds or 6 months whichever occurs first	Prorated credit given to customer against replacement cost	credit percentage = (40,000 − scan-seconds used) / 40,000*100
Dura Akron Q tubes	Prorated to a maximum of 30,000 scan-seconds or 6 months whichever occurs first	Prorated credit given to customer against replacement cost	credit percentage = (30,000 − scan-seconds used) / 30,000*100
Dura Akron 422 tubes	Prorated to a maximum of 100,000 scan-seconds or 12 months whichever occurs first	Prorated credit given to customer against replacement cost	credit percentage = (100,000 − scan-seconds used) / 100,000*100
Dura Akron 688 tubes	Prorated to a maximum of 100,000 scan-seconds or 12 months whichever occurs first	Prorated credit given to customer against replacement cost	credit percentage = (100,000 − scan-seconds used) / 100,000*100
Chronon tubes	Prorated to a maximum of 100,000 scan-seconds or 12 months whichever occurs first	Prorated credit given to customer against replacement cost	credit percentage = (100,000 − scan-seconds used) / 100,000*100

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Athlon tubes	Prorated to a maximum of 100,000 scan-seconds or 12 months whichever occurs first	Prorated credit given to customer against replacement cost	credit percentage = (100,000 – scan-seconds used) / 100,000*100
Consumables	Not covered		

Post-Warranty (after expiration of system warranty) – Replacement parts only!			
Items above	As described above, but parts only	As described above, but parts only	As described above, but parts only
Spare Parts	6 months	Parts only	

Note: Optional extended warranty coverage can be obtained by purchase of a service agreement.

[1] Period of warranty commences from the date of first use or completion of installation, whichever occurs first. In the event the completion of installation is delayed for reasons beyond Siemens' control, the stated warranty period shall commence 60 days after delivery of equipment.

[2] Standard deliverable independent of subsequent service contract commitment

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syngo.via Warranty Information

Product	Period of Warranty[1]	Coverage
		Principal Coverage Period 8am-5pm Monday through Friday[2]
syngo.via Application	Twelve (12) months	(a) Seller shall correct any failure of that Application to perform substantially in accordance with its Documentation (b) Seller shall provide periodic Updates and Releases (as those terms are defined in the Addendum for syngo.via) to that Application and Documentation of these items at no additional license fee, except that Seller reserves the right to charge for Updates and Releases that provide new features or capabilities.
syngo.via Server	The OEM warranty that is passed through to Purchaser is three (3) years from delivery	(a) Seller warrants that server will be ordered new from Seller's supplier(s) and will include the manufacturer's standard end-user warranty for the duration stated in the Sales proposal; (b) Seller will pass through to Purchaser all assignable end-user warranties from the server's manufacturer; (c) Use of the server may be subject to the Purchaser's agreement to comply with any software licensing terms imposed by the manufacturer for operating system and other software included with the server; and (d) The manufacturer, and not Seller, is solely responsible for any required product recall, warranty service, maintenance, support, and complaint handling, as well as any other applicable FDA regulatory requirements.

Note: Optional extended warranty coverage can be obtained by purchase of a service agreement.

[1] Period of warranty commences from the date of first use or completion of installation, whichever occurs first. In the event the completion of installation is delayed for reasons beyond Siemens' control, the stated warranty period shall commence 60 days after delivery of equipment.

[2] Standard deliverable independent of subsequent service contract commitment

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Detailed Technical Specifications

CT Clinical Education - Local

Part No. / Product	Description

14449236
syngo.CT Bone Reading #1
	syngo.CT Bone Reading is dedicated to diagnostic bone assessment while reading radiological CT datasets. It provides a specific visualization that adapts the rib cage and spine anatomy according to the radiologist's reading needs - displaying all ribs and the spine spread out in one plane. Identification of lesion's location for reporting is enabled by labels and numbers attached to the vertebra and the ribs according to the rib's origin from the thoracic spine. Specific functionality to rotate around the rib's center line and scroll through the complex anatomy of ribs and spine facilitate the process of assessment of bony structures.
	
	In detail the application provides:
	   - Specific bone reading functionality for complete assessment of bony structures
	   - Rib unfolding - bone reading adopted visualization of all ribs in one plane
	   - Spine stretching - bone reading adopted visualization of the spine in one plane
	   - Rib and spine reading optimized reading functionality
	   - Automated rib and spine labeling and numbering
	
	All results are stored in *syngo*.via's findings navigator.
	
	In combination with Rapid Results technology, it allows automated results creation and archiving.

14422524
syngo.PET Cedars Suite #1
	syngo.PET Cedars Suite provides the Cedars Cardiac Suite v2015 comprising the following programs and options:
	  - Quantitative Perfusion SPECT (QPS)
	  - Quantitative Gated SPECT (QGS)
	  - Companion
	  - PlusPack
	
	syngo.PET Cedars Suite calculates a comprehensive set of cardiac parameters derived from an algorithm that is specific to PET images. It also allows for the quantification of Stress/Rest cardiac scans acquired with 82Rb-Rubidium and provides the ability to quantitate FDG-PET viability.
	
	QPS allows for the quantification of prone PET data and of serial perfusion changes. It also calculates a more regional measure of LV shape known as the Shape Index in addition to calculating the eccentricity index. The Kinetic option provides quantification of absolute regional myocardial blood flow (MBF) and of coronary flow reserve (CFR) for dynamic PET 82Rb-Rubidium and 13NH3-Ammonia data. QGS calculates ejection fractions, volumes, wall motion, wall thickening. It also provides Phase Analysis for gated PET studies and a motion frozen display, which results in better resolution and contrast by eliminating motion of the cardiac cycle. The displays include gated slices with contours, interactive 3D images and polar maps. Four different scoring models are available: 20-segment, AHA 17-segment, vessels and walls. Manual over-ride of contours, manual adjustment of orientation for transverse data and DICOM compatible output are additional features. Outputs include DICOM secondary capture files, Cedars result files as well as the ability to generate non-proprietary static (TIFF, JPEG, PNG, BMP) and dynamic (AVI) screen captures.
	
	Not supported for Profile reconstructed data.
	
	The Cedars application is an OEM product developed by Cedars-Sinai Medical Center.
	
	For Server HW Configurations only:
	
	The use of the syngo.PET Cedars Suite application on syngo.via is subject to Microsoft's Remote Desktop Services Per User Client Access License (RDS Per User CAL) agreement. Under this agreement, the use of the syngo.PET Cedars Suite application on syngo.via is limited to a certain number of "physical users".

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Part No. / Product	Description
(Continued) **14422524** **syngo.PET Cedars** **Suite #1**	The term "physical user" refers to all individual users that are using or have recently been using the syngo.PET Cedars Suite on syngo.via (not necessarily concurrently), e.g. the individual users listed in the active directory. Each "physical user" is required to have his/her own personal RDS Per User CAL. This syngo.PET Cedars Suite application includes 5 of these licenses for 5 "physical" users. For the client workplace, 64-bit operating systems are recommended. Windows 7 32-bit operating system is not recommended.
14422485 **syngo.SPECT** **Processing Engine** **#1**	The *syngo*.SPECT Processing Engine equips the physician with the tools they need to interpret, quantify and process General Nuclear Medicine images. The display features of *syngo*.via have been optimized specifically for reading the varying data types present in Nuclear Medicine examinations. Based upon the exam type and the data present, an appropriate layout for the images is selected. A suite of additional layouts optimized for Nuclear Medicine is also provided to assist in the reading process. The *syngo*.SPECT Processing Engine allows for the following quality control activity and organ based processing. Quality Control Activity — Sinogram, Linogram, and Summed Image — Cine with reference line — Automatic and Manual Motion Correction — Static X / Y / Copy / Paste — Dynamic X / Y / Copy / Paste — Gated Histogram Review — Tomo X / Copy / Paste — Dynamic Tomo Repeat X / Copy / Paste — Dynamic Tomo X / Copy / Paste / Repeat Rejection Organ Based Processing Cardiac Planar Gated Blood Pool — Left and Right Ventricular EF Analysis — Regional EF Analysis — Automated Image Filtering — Automatic or Manual ROI determination — Functional Image Creation — Curve Analysis — Filling and Emptying Rate Analysis Lung Analysis — Total or Segmented analysis — Perfusion Quantitation — L/R Lung Comparison — Geometric Mean Calculation — Single Lung Processing Thyroid Analysis — Automatic or Manual ROI determination — Uptake, Countrate, Area and Volume Calculations

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Part No. / Product	Description

(Continued)
14422485
syngo.SPECT
Processing Engine
#1
	− Single Lobe Processing
	  − 6 and 24 Hour Uptake
	
	Renal Analysis
	  − Automatic or Manual ROI Determination
	  − Gates GFR
	  − Oberhausen ERPF
	  − Itoh ERPF
	  − Oriuchi MAG3
	  − MAG3 without Blood Sample
	  − Transplant
	  − Captopril Comparison
	  − Curve Analysis
	  − R/L Ratio
	  − Bubeck (TER) Processing
	
	Gastric Emptying Analysis
	  − Automatic or Manual ROI Determination
	  − Dual Isotope / energy window support
	  − Geometric Mean Calculation
	  − Curve Fitting Routines
	  − Liquid / Solid Processing
	  − Emptying Calculations
	
	Hepatobiliary
	  − Automatic or Manual ROI Determination
	  − EF Calculations
	  − Dynamic and Static Methods supported
	  − User Defined Interval EF Processing
	
	Image Manipulation
	  − Series Filter
	  − Series Arithmetic
	  − Series Reformat
	  − Series ROI & Curve

14456832 **Server HW Config XL**	**Brief description** Type: Hewlett Packard rack mount server. Operating System: Windows Server 2016 Standard Processor: 2 CPU with memory System Disk: RAID Level 5 DB Data Disk: RAID Level 5 Data Disk: RAID Level 5 1x Hot Spare for RAID 5 Gross Image Storage: approximately 5500GB Optical drive: CD/ DVD-RW Graphical Processing Unit: 1x NVIDIA GPUs Mouse: USB Optical Scroll Mouse Keyboard: USB standard international

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Part No. / Product	Description
(Continued) **14456832** **Server HW Config XL**	Rack mount kit for 19" HP rack included This server is configured with a redundant fan and a redundant power supply. **Recommended Environment Requirements** Server for operation only in server rooms A 100 Mbit/s (minimum) / 1 Gbit/s (recommended) network environment is needed for optimal performance. For remote access a 10 Mbit/s (minimum) / 16 Mbit/s (recommended) broad-band connection is required. **Service Package** Basic care pack for this server configuration is not included and has to be ordered separately! Technical details are subject to change without notice!
14413436 **HP Care Pack. 5y** **24x7 HW Support**	**Brief description** Prime HW Support with a service window depending on your IT Care Plan and on the SIEMENS Customer Care Center (CCC) office hours. The delivery of the on-site Break&Fix support is performed by HP. - Content of the Prime HW Support: **Remote problem diagnosis and support** – Siemens Service remotely uses HP support tools to isolate your problem and facilitate resolution in close cooperation with the next HP service hub in your area. - **Break & fix service with on-site support.** – For issues that cannot be resolved remotely, an authorized HP Services representative will be sent on-site and returns your system to operational condition, repairing or replacing components or entire units. If required, HP services restore at the same time system and network functionality to allow Siemens Service to seamlessly continue with any further required remote service activity. - **Defective Media Retention Service** – This option lets you protect sensitive data by keeping your defective disk, without the need to return defective media. - **Integrated service management**: - Seamless cooperation and processes between SIEMENS and HP to ensure optimized end-to-end issue handling. - **Enhanced HW support** – Provision of necessary BIOS-, Firmware and Driver update packages to keep the HW system up to date. Required patches and updates are provided remotely to be installed conveniently during the next application maintenance or service window by the responsible IT system administrator.
14429311 **PACS-Driven** **Implementation Pkg.**	The PACS-Driven Implementation Package includes the following tasks: - Basic hardware installation and network integration - Activation of Siemens Remote Services connections - Import of all *syngo*.via server license files - Basic clinical configuration and integration of up to 5 DICOM nodes in *syngo*.via, such as one modality, one PACS, not more than two *syngo* MultiModality Workplaces, one printer, or one RIS/ DMWL-source including the request of a DICOM Modality Worklist sent to *syngo*.via for a networked Siemens scanner. All nodes need to be validated for connection with *syngo*.via. - Installation of a software upgrade and a *syngo*.via client on one formerly installed *syngo* MMWP, already configured in *syngo*.via as a DICOM node; - Configuration DICOM access to *syngo*.via in *syngo* MMWP; Integration of the basic *syngo* MMWP access into one *syngo*.via client workplace by installation and

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Part No. / Product	Description
(Continued) **14429311** **PACS-Driven** **Implementation Pkg.**	configuration of the software Expert-i on the *syngo*.via client.
	- Assistance in setting up frontend integration of *syngo*.via with one PACS workplace (for image call-up directly out of the PACS application user interface). This may require the purchase of software and services from the PACS vendor.
	- Integration of *syngo*.via into the IT infrastructure using an existing Active Directory, consultation of the customer's IT administrator for routing/ports.
	- Configuration of basic workflow rules: autodelete, archiving, autorouting in *syngo*.via
	- Installation of the WebViewer integrated license (applicable only for *syngo*.via SW version VA30 or higher and only in countries where released)
	- Acceptance Test in cooperation with the customer
	Context of the implementation tasks:
	- The DICOM conformance of the DICOM nodes is prerequisite for connection to *syngo*.via.
	- The DICOM nodes to be connected to *syngo*.via must be configured and tested by the customer, for e.g. configuration of the remote DICOM node *syngo*.via, routing rules, procedures. If necessary, the customer orders these services from the DICOM node's vendor.
	- The DMWL-source must be able to provide the DMWL to *syngo*.via identical to the DMWL provided to the modalities.
	- The configuration of the customer's Local Area Network is performed by the customer.
	- Provision of a minimum broadband Internet connection bandwidth with 2000 kBit/s downstream and 256 kBit/s upstream for Siemens Remote Services (SRS) by the customer. If the customer does not provide SRS connectivity, then additional professional services for implementation without SRS support are offered. For service support after implementation the following minimum specification has to be provided: Downstream 2000 kBit/s (for Software update, IT- and Application support); Upstream 512 kBit/s (for Application support); Upstream 256 kBit/s (for Software update and IT support).
	- The customer provides information, such as: IP addresses of the server for its network integration and the DICOM nodes identifiers.
	- The customer provides the required power supply and the installation location for the server hardware.
	- Presence and support of the customer's administrators (clinical and IT administrator) is required during implementation. In preparation for implementation support the customer's administrators have completed the *syngo*.via web-based trainings, which are part of the scope of delivery.
	- A list of applications and systems with validated connectivity to *syngo*.via can be requested from your Siemens Sales Representative.
	- If a DICOM node or another system has not been validated yet for connection to *syngo*.via by Siemens, then the customer will give his acceptance though there could be a narrowed functionality of the connection.
	- Installation of *syngo*.via client software on additional workplaces, or configuration of additional DICOM nodes, or the distribution of the frontend integration to additional PACS workplaces are performed by the customer's administrator or can be ordered from Siemens separately as an option.
	- The image call-up implementation and configuration will be upgraded by the customer with future software versions of the calling application (RIS, PACS). Project coordination is performed by Siemens. Please see the *syngo*.via Data Sheet for system requirements and detailed description of implementation tasks.
	If applicable, the hardware installation service includes the following tasks:
	- Unwrapping. Consolidation of all packaging material and notification to the customer that the materials are ready for removal.
	- Mechanical and electrical connections at site of operation
	- Mechanical installation in a common rack (e.g. HP, Fujitsu, IBM, Rittal) not older than three years and connection to a console.
	- Connection to the power supply, to Uninterruptable Power Supply (if applicable)
	- Startup of operating system; check status of patches, drivers, service packs and hot fixes, etc.
	- Connection and network configuration of the server and the remote service board to the LAN
	- Configuration of remote service board (network settings, users configuration) if supported by server
	- Test monitor setup and Handover of the readily installed system to the customer.

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(Continued) **14429311** **PACS-Driven** **Implementation Pkg.**	For the installation the customer provides, as described in the product Data Sheet: - Access to the location and space for server operation - Electrical power - LAN access and LAN configuration - Configuration of the broadband internet access for Siemens Remote Services - IT Administrator's coordination and support for the mechanical and IT installation. - Server and monitor(s) are at the site of operation. The customer's monitors are accompanied by appropriate cables. - The connection of one or two monitors to the Workstation HW (including the Workstation HW Extended) does not include monitor calibration. - For Workstation HW (including the Workstation HW Extended), depending on the local regulations, the monitor installation described here may allow viewing only. If applicable, the import of a predefined container is to be done by the customer administrator for the setup of a virtualized system. Note: Certain constraints apply regarding the supported OS versions for the syngo.via clients and the supported versions of MMWPs. For details please check the datasheet of the respective syngo.via version.
14412656L **Server HW** **Installation Standard**	This hardware installation service includes the following tasks: - Unwrapping of server and monitors (if applicable). Consolidation of all packaging material and notification to the Customer that the materials are ready for removal - Mechanical and electrical connections at site of operation - Mechanical connections to console and to diagnostic monitors (if applicable) - Connection to the power supply, to Uninterruptable Power Supply (if applicable) - Startup of operating system, check status of patches, drivers, service packs and hot fixes etc. - Connection of the server and the remote service board (e.g. the HP dash board) to LAN; network configuration of the server and the remote service board - Configuration of the operating system for two monitors (if delivered by Siemens) - Test monitors setup (if applicable) - Handover of the readily installed system to the customer. Context of the implementation tasks: The customer provides, as described in the *syngo*.via Data Sheet: - Access to the location and space for server operation as well as for the monitors (if applicable) - Server and monitor(s) are on-site of operation. The customer's monitors are accompanied by appropriate cables. - Electrical power - LAN access and LAN configuration - Configuration of the broadband internet access for Siemens Remote Services - IT Administrator's coordination and support for the mechanical and IT installation. - The connection of one or two monitors to a workstation-based server does not include monitor calibration. - Depending on local legal regulations, the monitor installation described here may allow viewing only.
14412372L **Classroom** **ClinicAdmin Training** **5 day**	**Brief description** Target Group This course is mainly designed for clinical administrators, technologists and physicians who act as departmental key user for the *syngo*.via system. Prerequisites It is assumed that attendees have an understanding of the clinical workflow.

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Part No. / Product	Description
(Continued) **14412372L** **Classroom** **ClinicAdmin Training** **5 day**	<u>Content:</u> System introduction Data handling Reading 2D /3D Configuration and settings Clinical applications Workflow consulting and adaptation Overview on modality applications and workflows
14456436 **syngo.via XL-** **Software**	**Brief description** *syngo*.via provides one graphical user interface to prepare and read images from various modalities. Supported images types are: - Computed Tomography Images - Magnetic Resonance Images - PET Images - Computed Radiography Images - Digital X-Ray Images - X-Ray Angiographic Images - X-Ray Radio-Fluoroscopic Images - Ultrasound 2D Images - Secondary Capture Images - Encapsulated PDFs **General reading functions, such as:** - Browser functionality for patient and data access - Loading and displaying images - Scrolling through images (e.g. movie mode, fast mouse scrolling, synchronized scrolling) - Mirror, rotate, invert, windowing, pan/zoom, annotations, distance and angle measurement, pixel lens, ROI / VOI evaluation - Findings navigator - create, collect and navigate findings - Correlated cursor - Series synchronization for pan/zoom, windowing, LUT, scrolling - Locked navigation of different modality types (e.g. MR / CT) - User-defined context menu - Multiple layouts for 2D, 3D, 4D diagnosis - Snapshot images as secondary capture **Integrated 3D tools, such as:** - All reformats immediately available: VRT, MIP thin/thick, MPR thin / thick, interactive slice thickness change - VRT Punch - VRT Gallery - Clip plane and clip box - Bone removal for fast segmentation and removal of bony structures - Fusion and registration - Parallel, curved & radial ranges - 2D & 3D reference lines, 3D reference point - Region growing and quantification for interactive segmentation of anatomical structures **Anatomic intelligence:** - Automatic spine labeling - Automatic rib labeling for CT thorax scans - Automatic landmark registration for accurate anatomical alignment of multiple timepoint cases

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(Continued) **14456436** **syngo.via XL-** **Software**	**Applications for dedicated clinical areas** Beside general 2D/3D/4D capabilities, the following advanced functionalities for dedicated clinical areas are part of *syngo*.via. These applications are medical products in their own right and necessary country-specific approvals might not yet be available (e.g. 510k, CE Mark). CT Cardiac Review Marker, Heart Isolation, Movie (Beating Heart), Manual Coronary Tracking, Cardiac Planes, Curved & Cross-Section MPR, Integrated Reporting CT Vascular Bone Removal, Table Removal, Review Marker, MPR, Thin MIP Ranges, Curved & Cross Sectional MPR, Integrated Reporting PET&CT Oncology 10 CT image series per time point, RECIST/WHO measurement, Basic PET evaluation, Image fusion, Registration, Time point comparison (two time points) 3D overview image, Local registration, Export CSV *syngo*.CT Dual Energy *syngo*.CT Dual Energy offers a viewer that displays a fused image for initial diagnosis. It includes Optimum Contrast to calculate automatically contrast-optimized images, the possibility to calculate monoenergetic images for a range of 40 - 190 keV as well as *syngo*.CT DE Rho/Z to display electron density and effective atomic number maps. The additional, optional Dual Energy applications utilize *syngo* Dual Energy's two data sets even further: the material-specific difference in attenuation enables an easy classification of the elementary chemical composition of the scanned tissue. The Rapid Results Technology offers the ability to select the required Dual Energy results in the scan-protocol. After auto-transfer of the image data to the connected *syngo*.via system, all predefined results are calculated automatically. On top of that, an immediate distribution of the results to the connected reading environment can be triggered. *syngo*.CT Dual Energy works with Dual Energy images from SOMATOM Definition, Definition Flash, SOMATOM Drive & SOMATOM Force and with single source Dual Energy images from SOMATOM Definition Edge, SOMATOM Definition AS family, SOMATOM Perspective and SOMATOM Scope (Power configuration). MR Reading - Automatic data loading: All data of the current study is automatically loaded in a 2*2 stack layout - including 3D and 4D data. - Follow-up support: Follow-up layout for comparison between two timepoints. - Rescan handling: Repeated scans are collected in one stack that provides an overview layout to select the best rescan for reading. - Workflow customization and creation: MR Reading allows the user to generate new, customized workflows. MR Reading report template included. **Workflow Automation** - Triggered by PACS or modality: Disease-specific workflow mapping can also be done based on image information (modality and/or study description) - Triggered by RIS: *syngo*.via requests the DICOM Modality Worklist (DMWL) from the connected RIS to enable automatic disease-specific workflow mapping and prefetching of examinations from PACS for follow-up reading. **Disease-specific reporting:** - Disease-specific reports can be derived from different clinical applications (structured reporting). - Findings collected in the Findings Navigator can be transferred to disease-specific reporting application and can then be stored as DICOM Structured Reports. - The reports created with *syngo*.via are stored as encapsulated PDF DICOM objects. Additionally the report can be saved in the file system as a PDF file. The stored PDF report can be viewed and printed by the clinical

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(Continued) **14456436** **syngo.via XL-** **Software**	user. **Further functionality, such as:** - *syngo* Expert-i support for *syngo* MMWP integration - *syngo*.plaza Integration - Query/retrieve from DICOM nodes - Export images and creating patient media - Filming (DICOM print) or postscript printing functionality **Prerequisites for all service related issues:** - Availability of a customer administrator that performs dedicated administration and support tasks (e.g. 1st line support, data security, backup,...). - Minimum permanent broadband internet connection bandwidth for uncompromised service support are 2000 kBit/s downstream and 512 kBit/s upstream. Otherwise, certain support services may not be provided and the agreed remote response time cannot be guaranteed. Specification of minimum broadband internet connection in detail: - Downstream: 2000 kBit/s for Software update, IT- and Application support (Siemens Remote Service – SRS) - Upstream: 512 kBit/s for Application support (SRS) - Upstream: 256 kBit/s for Software update and IT support (SRS) **Scope of delivery:** - DVDs with *syngo*.via software – VB20 (software license for *syngo*.via XL-Software)
14456483 **WebViewer User #1** **Integrated Server**	*syngo*.via WebViewer runs integrated on the *syngo*.via L server and XL / XL - 10TB server hardware and can be accessed on the clients through an URL over a web browser session. The integrated server can be used for internal image distribution only including access by VPN infrastructure. It provides mobile diagnostic image reading, basic patient data browsing, high speed 2D and 3D image review and basic image manipulation functionality* for the following use-cases: - Emergency cases, e.g. iPad (not meant for primary image diagnosis) - Second opinion - Demonstrations and conferences - Patient education * Because of the wide variation in devices supported by *syngo*.via WebViewer (desktop computers with large screens through to mobile devices such as the iPad) not all features will be possible on all types of clients (e.g.: The flexibility to change viewing layouts on mobile devices is limited). **General 2D / 3D Imaging:** The following image processing and viewing functions are supported: - Color LUT display - Grayscale VOI LUT display - Zoom & Pan - Windowing - Rotating (3D mode only) - Home position - Pixel Lens - Measurement of Distance and Angles - Scroll - Image Fusion The following image types are supported:

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(Continued) **14456483** **WebViewer User #1** **Integrated Server**	- CT (Computed Tomography) - MR (Magnetic Resonance) - SC Image - Encapsulated PDF - CR/DR - PET - PET/CT **Data Navigation:** - 2D Image Sorting and Scrolling - Series Navigation **Supported Browsers** The following browsers are supported: Internet Explorer, Edge, Safari, Firefox, Google Chrome web browsers. (Refer to the WebViewer Data Sheet for detailed information about the supported browser versions.) **Licensing** - WebViewer software follows the floating licenses paradigm for clients. **Scope of delivery:** - DVDs with *syngo*.via WebViewer software - Licenses for *syngo*.via WebViewer 1 User - User Documentation **Regulatory information** The application *syngo*.via WebViewer is not for diagnostic viewing/reading on mobile devices in the USA. Please refer to your sales representative whether the product is available for your country. Diagnostic reading of images with a web browser requires a medical grade monitor. For iPhone and iPad country-specific laws may apply. Please refer to these laws before using for diagnostic reading/viewing. For Japan: Applications on iPhone / iPad / iPod are not a medical device in Japan. Use at your own risk. They are not intended to be used for diagnosis.