

syngo.via VB10

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

Qty	Item Description
1	syngo.via Standalone syngo.via without a bundled CT/MI/MR/XP/AT system
1	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.
1	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.
1	syngo.via General Engine XL The syngo.via General Engine provides functionalities for highly efficient reading and reporting of routine to advanced cases. The syngo.via General Engine comprises the following software modules: ALPHA technology speeds up the workflow by automating and standardizing reconstructions and improves consistency in image presentation.

Qty	Item Description
	syngo.via Advanced Reporting enables efficient and structured management and communication of syngo.via results plus easy creation and administration of report templates.
1	syngo.CT Segmentation #1 syngo.CT Segmentation provides automated segmentation and evaluation of lesions in lung, liver, lymph nodes and other organs. In addition further quantifications are provided like Choi criteria and Advanced HU Statistics.
3	syngo.CT Segmentation #1+ The syngo.CT Segmentation upgrade contains an additional single user access for: - syngo.CT Segmentation
1	syngo.CT Lung CAD #1 syngo.CT Lung CAD provides Computer Aided Detections of solid pulmonary nodules of the lung. Results are presented in syngo.via or - powered by Rapid Results Technology - directly in the PACS.
3	syngo.CT Lung CAD #1+ syngo.Lung CAD provides Computer Aided Detections of solid lung nodules for one additional user.
1	Server HW Config XL syngo.via server hardware configuration XL. Hewlett Packard rack mount server.
1	HP Care Pack. 5y 24x7 HW Support Prime HW Support for 5 years (for HW config L, XL or XL_10 ? ML350 Gen9)
1	HP Rack 14 Units 19" HP Rack Type Rittal for syngo(r).via server configurations. Physical Characteristics: Rack S10614
1	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: - 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.

Qty	Item Description
1	syngo.via local Impl. (Identifier) Identifier for professional services completely provided by locally organized resources.
1	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	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.
1	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	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.
1	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 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	Syngo.via Promo SY Gen Eng This promotion enables customers with purchase of syngo.via Server or Syngo Via Workstation solution, a reduction in the price of Syngo General Engine by the amount of To qualify, Customer's binding purchase order must be received by Siemens on or before July 31, 2017 and syngo.via system delivery if not purchased with a Siemens scanner, must occur no later than November 1, 2017.

Qty	Item Description
1	VIA Govt Server HW Install Per agreement, credit for syngo.via hardware installation by 3rd party integrator 14412656
1	VIA Govt Trng in PACS Imp Per agreement, credit for initial training in Basic Implementation 14412663

Detailed Technical Specifications

Description

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

Description

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

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 - VB10
(software license for *syngo.via* XL-Software)

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

Description

The following image types are supported:

- 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.

The *syngo.via* General Engine provides functionalities for highly efficient reading and reporting of routine to advanced cases and comprises the software modules ALPHA technology and *syngo.via* Advanced Reporting.

The ALPHA technology speeds up the workflow by automating and standardizing reconstructions and improves consistency in image presentation. Anatomical Range Presets powered by ALPHA technology automatically initialize ranges and projections with respect to the underlying anatomy. Practically eliminating the need for manual interaction, this feature supports consistent results, efficient procedures, and diagnostic confidence.

The *syngo.via* Advanced Reporting is a set of features for merging 3D reading with flexible reporting. It enables efficient and structured management and communication of *syngo.via* results. Findings from different workflows can be combined in a single document. Print layouts can be flexibly selected. Formatted content and images can be easily copied from the *syngo.via* Report as RTF into a diagnostic report or can be sent easily as a pdf-document* with an HL7 message to an information system (e.g. RIS/HIS). And the *syngo.via* Report can be distributed to PACS as DICOM SC image. In addition, *syngo.via* Advanced Reporting provides tools for easy creation and administration of report templates. So you can easily edit and create sections and picklists and quickly create your own report templates or customize default templates for your institution.

Irrespective of modality or clinical field, *syngo.via* General Engine offers many benefits:

- Faster case preparation as manual interaction usually not needed
- Consistent result quality across users and patients
- Flexible combination of diagnostic results to provide the full picture in one document

Description

- Easily report incidental findings in a structured way
- Having the full diagnostic picture is basis for appropriated treatment selection and patient satisfaction

* Prerequisite for embedded pdf in HL7 message:

- Licenses for HL7 Patient Information Reconciliation (PIR) AND Report Export for *syngo.via*
- Implementation respectively: PACS/RIS-Driven Implementation Package, PIR Configuration and Report Export Configuration

syngo.CT Segmentation provides advanced features for easy and fast CT oncology reading. It supports the automated segmentation and evaluation of lesions in lung, liver, lymph nodes and other organs. Additional quantifications like Choi criteria and Advanced HU Statistics provide enhanced clinical insights in assessment of potential cancerous lesions.

In detail the application provides:

- Follow up of multiple time-points
- Simultaneous two time point visualization and comparison
- 3D evaluation of lesions measurements
- Automated single click segmentation of lung and liver lesions, lymph nodes, and general lesions
- Easy adaptation of segmentations
- Auto-measurements and display of RECIST 1.0 or 1.1, WHO and volume data
- Calculation and display of Choi criteria (Mean HU and Std. Dev. HU combined with unidimensional measurements)
- Advanced HU Statistics and display of hypodense areas of lesions as potential indicator of therapy response
- PET visualization and basic evaluation CT, PET, and MR data. In case additional image data from MRI or PET are available images can be evaluated in the oncology reading environment. Images will be automatically registered and synchronized with the CT data sets.

All results are stored in *syngo.via*'s findings navigator.

Please note that currently max. 5 simultaneous users are possible.
Upgrade requires extension of the *syngo.via* service contract.

syngo.CT Lung CAD is a computer-aided detection tool designed to assist radiologists in the detection of solid pulmonary nodules during review of multi-detector computed tomography (MDCT) examinations of the chest. All *syngo.CT Lung CAD* findings are presented directly in the Mini-Toolbar, located in the image segment, which facilitates reviewing and reporting of CAD-marks for regions of interest (ROI) that may have been initially overlooked. *syngo.CT Lung CAD* is an option for *syngo.CT Segmentation* or the *CT Oncology Engine* (*syngo.CT Segmentation* included).

Alternatively to reviewing Lung CAD results in *syngo.via*, Rapid Results Technology sends preprocessed Lung CAD results to the PACS, thus eliminating manual steps and providing advanced visualization results - ready for reading directly in the PACS.

The software is an adjunctive tool and is intended to be used as a second reader tool after the initial read has been completed.

Brief description

Type: Hewlett Packard rack mount server.
Processor: 2 CPU
RAM: 128GB
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

Description

Optical drive: CD/ DVD-RW
Graphical Processing Unit: 1x NVIDIA GPUs
Mouse: USB Optical Scroll Mouse
Keyboard: USB standard international
Rack mount kit for 19" HP rack included

Operating System: Windows Server 2012 R2

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!

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.

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 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.

Description

- 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.

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.

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.

Brief description

Target Group

This course is mainly designed for clinical administrators, technologists and physicians who act as departmental

Description

key user for the *syngo.via* system.

Prerequisites

It is assumed that attendees have an understanding of the clinical workflow.

Content:

System introduction

Data handling

Reading 2D /3D

Configuration and settings

Clinical applications

Workflow consulting and adaptation

Overview on modality applications and workflows