

REQUESTING SERVICE: MEDICINE SERVICE
SHIP TO: SLVHCS
V. A. Medical Center
2400 Canal Street
New Orleans, LA 70119
PO#:629- B60007

THIS REQUIREMENT IS FOR 33 SYSTEMS

Line #	Description	Qty
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1	Sparq Ultrasound System	4
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The Philips Sparq Ultrasound system is a mobile ultrasound system equipped with a simple user interface that is designed for non-traditional ultrasound users. The control panel has a sealed, easy-to-clean tempered glass surface. To reduce unnecessary interaction with the system, the system controls dynamically change, showing only those keys and automation features that are compatible with the exam being performed. Sparq is simply a revolutionary solution with an intuitive design built around our customers' workflow needs.

Control Panel and user interface:

- Easy-to-learn graphical user interface
- Simplicity mode, a one-touch solution that presents only the controls that are used most often
- Transducer centerline and onscreen centerline provides visual guidance for out of plane needle guidance procedures
- Sealed, easy to clean, tempered glass surface
- 17 inch high resolution color monitor mounted on fully articulating arm with tilt and swivel
- Alphanumeric QWERTY keyboard
- 3 TGCs
- 5 USB flash drives on system
- Internal DVD RW drive
- iSCAN control for 2D/Doppler/color Doppler automatic optimization
- AutoSCAN control for 2D continuous and automatic optimization
- Quick Keys
- Transducer selection and tissue specific imaging control
- Sleep Mode allows the user to save battery power when not in use

System Architecture:

- Next generation all-digital compact broadband beamformer with pulse shaping capability.
 - High resolution A/D conversion with 170 dB full-time system dynamic range.
 - 20,000 digitally-processed channels.
 - Supports PureWave technology.
 - Multi-variate harmonic imaging including pulse inversion processing.
 - One-touch 2D optimization with broadband frequency compounding.
 - SonoCT real-time beam-steered compound imaging.
 - Advanced XRES adaptive image processing.
 - iSCAN one-touch intelligent optimization for 2D and Doppler (if Doppler is purchased).
 - AutoSCAN-No touch continuous intelligent optimization for 2D.
-

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	<ul style="list-style-type: none"> • Active native data manipulation. • Simplicity Mode-one-touch simplified control panel. • Advanced Imaging Control-allows the flexibility to turn on advanced controls for imaging. 	

Imaging modes:

- 2D
- M-mode (real-time M-mode)
- Anatomical M-mode
- Color M-mode
- Color Power Angio (CPA) imaging
- Color compare mode
- Dual mode
- 2D and flow optimization signal processing
- Intelligent Doppler – automatically maintains pre-selected 0/60 degree flow angle
- Live compare
- Tissue harmonic imaging (THI)
- High definition write zoom
- Trapezoidal imaging
- Pulse inversion harmonic imaging
- Active native data (allows manipulation of raw image data)
- Optional - Pulsed wave (PW) Doppler
- Optional - Continuous wave (CW) Doppler
- Optional - Pulsed wave tissue/color Doppler imaging
- Optional - Needle visualization – enhances viewing of the needle to assist the user in guiding the needle to the target anatomy

Optional Transducers:

The Sparq ultrasound system offers a wide complement of transducers, designed and optimized for an extensive range of exams and automatic parameter optimization of each transducer for exam type through Tissue Specific Imaging (TSI) software

- L12-4 broadband linear array
- S4-2 broadband sector array
- C6-2 broadband curved array
- C9-4v broadband curved array
- X7-2t xMATRIX array with PureWave technology

Optional Maintenance and Serviceability

- Remote Access for Expedient Clinical and Technical Support
- Flexible Service Agreements
- Clinical Application and Educational Support
- Scheduled Preventative Maintenance and System Optimization
- Utilization Reports provide data to help manage ultrasound assets

100678 Sparq Ultrasound System

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	Safeguard This is a standard computer administration tool used to prevent unauthorized programs (malware) from running on the ultrasound system.	
	Clinical Education Implementation Onsite Training - One day of basic system training is provided at your site after installation. Ultrasound system or upgrade onsite training provided by a PAS (Product Applications Specialist) for specific system applications or upgrades; not per modality. Education is provided Monday - Friday during normal business hours. Note: Philips Healthcare personnel are not responsible for actual patient contact or operation of equipment during education sessions except to demonstrate proper equipment operation. The training sessions should be attended by the appropriate healthcare professional as identified by the department director. Repeat training for staff non-attendance will not be accepted. Site must be patient-ready to meet training expectations. All onsite training day expires within 90 days from system or upgrade installation date. Exceptions are for 3D Stress onsite training (which expires 9 months from system or upgrade installation date) and Fusion & Needle Navigation onsite training (which expires 180 days from system or upgrade installation date). <i>All Tuitions must be registered prior to the expiration date. The course chosen must be taken within 90 days of expiration</i>	
2	POC Comprehensive Pkg. The POC Comprehensive Package includes the following clinical options: Abdominal, Trauma, Adult Echo, Superficial, Access, Peripheral Vascular, Pelvic, Lung, Ocular, Musculoskeletal (which provides Spine and Musculoskeletal Superficial), Nerve and Physio.	4
	Pulse Wave Doppler (PW) Available on all imaging transducers: <ul style="list-style-type: none">Adjustable sample volume size: 0.8-24.6 mm (transducer dependent)Simultaneous or duplex mode of operationSimultaneous 2D, color Doppler or CPA, pulsed DoppleriSCAN optimization automatically adjusts scale, baseline and Doppler gain (in select transducers and presets).	
	ContinuousWaveDoppler(CW) Available on cardiac sector array transducers: <ul style="list-style-type: none">Steerable through 90° sectorMaximum velocity range: +/-20 m/sec (transducer dependent).	
	Tissue Doppler Imaging Available on S4-2-Cardiac:	

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	<ul style="list-style-type: none"> Allows high frame rate acquisition of tissue motion Color gain and TGC 2 color maps Velocity (cm/s and m/sec supported). <p>Color tissue Doppler imaging</p>	
3	<p>Needle Visualization</p> <p>Allows a view of the needle during procedures</p> <ul style="list-style-type: none"> Enhances viewing of the needle to assist the user in guiding the needle to the target anatomy <p>Available on L12-4 only.</p>	4
4	<p>DICOM Networking</p> <p>Networking capability to support DICOM Media Store and DICOM Print. Also provides Ethernet (wired and wireless) connectivity to an enterprise data management system or PACS with advanced DICOM features: DICOM Store, Modality Worklist and Performed Procedure Step. DICOM Structured reporting for Cardiac, OB, and Vascular. Supports secure DICOM transfer.</p>	4
5	<p>C6-2 Compact</p> <p>General purpose abdominal, Pelvic which includes obstetrical and gynecological applications, nerve, FAST, Spine</p> <ul style="list-style-type: none"> 6 to 2 MHz extended operating frequency range Curved array with 128 elements Array has a 50 mm radius of curvature Optional steerable pulsed Doppler, high PRF Doppler SonoCT, advanced XRES, harmonic imaging. color Doppler and color power angio 	4
6	<p>L12-4 Compact</p> <p>L12-4 broadband linear array</p> <ul style="list-style-type: none"> Vascular, vasc access, musculoskeletal, nerve, lung, ocular, and superficial imaging applications 12 to 4 MHz extended operating frequency range Linear array with 128 elements Array length is 38 mm Optional steerable pulsed Doppler, high PRF Doppler SonoCT, advanced XRES, harmonic imaging, color Doppler, and color power angio 4.0-6.7 MHz color Doppler Biopsy kit available. 	4
7	<p>C9-4v Compact</p> <ul style="list-style-type: none"> Curved array transducer with 9 to 4 MHz extended operating frequency range and 150-degree field of view. Supports 2D, color, PW Doppler (optional), and color power angio imaging for endovaginal applications. Biopsy kit available. 	4
8	<p>English Manual</p> <p>Operation Manual</p>	4
9	<p>US 2 Day Full Travel & Accommodations Pk</p>	4

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Line #	Description	Qty
	<p>US 2 Day Full Travel & Accommodations Package – Travel & Accommodations for one (1) registered attendee. Includes one (1) participant's airfare from a North American customer location to a Philips North America Ultrasound Clinical Education training location with modest lodging, ground transportation and meal expenses for up to 3 days. Breakfast/dinner are provided by the hotel and lunch/breaks are catered by Philips Healthcare. All other expenses will be the responsibility of the attendee (ie. Baggage fees, meals while traveling, transportation to and from customer's home airport). Details are provided during the scheduling process.</p> <p>Note: 21 day Cancellation/Rescheduling policy is strictly enforced.</p>	
10	<p>2 DY 200 Lvl POC Only CX50</p> <p>Sparq NO TRVL</p> <p>2 Day 200 Level Tuition Only - Use only for a two-day level 200 Ultrasound Clinical Education course. Travel and lodging are not included and may be purchased through Philips. NOTE: A twenty-one (21) day notification of cancellation is required or education will be forfeited. Curriculum is subject to change without notice.</p>	4
11	<p>Online BST</p> <p>Sparq/HD15/CX/VISIQ for 1</p> <p>BST ONLINE COURSE –The Basic System Training e-learning curriculum is focused on your Philips Ultrasound System. The aim of this comprehensive series is to provide the Sonographer/Echocardiographer with a comprehensive bundle of self-paced courses to familiarize you with your ultrasound system.</p> <p>This tuition is for one person.</p> <p>Education expires one (1) year from equipment installation date (or purchase date if sold separately).</p>	4
12	1st SVC Manual for Gov	4
13	<p>Airfare to Cleveland for Biomed Training</p> <p>Includes one (1) participant's airfare from North American customer location to the Cleveland Training Center (CTC) in Cleveland, Ohio. All other expenses will be the responsibility of the attendee. Details are provided during the scheduling process. Note: Cancellation/rescheduling policy strictly enforced. Expires one (1) year from the earlier of equipment delivery date or purchase date.</p>	4
14	<p>Food Transpt Lodging for Cleveland Biomed Training</p> <p>Includes one (1) day of modest lodging, ground transportation, and meal expenses in Cleveland, Ohio for one (1) attendee. All other expenses will be the responsibility of the attendee. Details are provided during the scheduling process. Note: Cancellation/rescheduling policy strictly enforced. Although this part is only for one day, it is sold in multiple quantities to account for entire length of course. Expires one (1) year from the earlier of equipment delivery date or purchase date.</p>	8
15	<p>US2795 SPARQ 1.0 BIOMED</p> <p>CTC 2</p>	4

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Line #	Description	Qty
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SPARQ 1.0 BIOMED

Course Number: US2795

Course Length: 2 Days

Delivery Method(s): Instructor Led training

Modality: Ultrasound

Location: Cleveland, OH and Best, Netherlands

Target Audience: BioMeds / Hospital Engineers, (CSIP Level 1)

DESCRIPTION:

This course provides information and activities to enable a Biomedical Technician to become familiar with the Sparq 1.0 features and functions and prepares them to configure, upgrade and operate the Sparq 1.0 system. This course also prepares the Biomedical Technician to disassemble and reassemble the system and perform preventive and corrective maintenance to the system.

PREREQUISITES:

- General knowledge of computers, ultrasound systems and maintenance practices of electronic equipment are required.

COURSE OBJECTIVES:

After completing this course, you will be able to:

- Describe the features and functions of the Sparq 1.0 system.
- Operate the Sparq 1.0 system
- Identify the functions and interactions of major Sparq 1.0 components and software
- Use the Biomed Service Manual to disassemble, replace field replaceable units and reassemble the Sparq 1.0 system
- Configure the Sparq 1.0 system
- Backup and restore system settings on the Sparq 1.0 system
- Use the service tools to perform preventive and corrective maintenance on the Sparq 1.0 system

* PHILIPS PROPRIETARY MATERIALS SUCH AS DIAGNOSTIC SOFTWARE AND SERVICE DOCUMENTATION ARE NOT INCLUDED IN THE TRAINING AND WILL NOT BE AVAILABLE FOR USE OUTSIDE OF THE TRAINING ENVIRONMENT. THE TRAINEE MUST RETURN ALL PROPRIETARY MATERIALS RECEIVED DURING THE TRAINING AT THE END OF THE TRAINING. CUSTOMER ACKNOWLEDGES AND AGREES THAT NEITHER CUSTOMER NOR TRAINEE WILL RECEIVE A LICENSE TO SUCH PROPRIETARY MATERIALS AND THAT THE TRAINEE MAY NOT BE ABLE TO FULLY UTILIZE THE TRAINING WITHOUT THE USE OF SUCH PROPRIETARY MATERIALS. (CERTAIN LICENSES MAY BE OBTAINED THROUGH PURCHASE OF A PHILIPS RIGHTFIT SERVICE AGREEMENT.) Course dates and location to be finalized by Philips. Philips shall attempt to accommodate Customer requested dates and training location. The price quoted includes course tuition. Travel and living expenses are not included, but may be purchased separately through Philips.

IMPORTANT Notes Regarding Admission to Philips Customer Engineer Training Courses:

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Line #	Description	Qty
	1.Trainee must meet all prerequisites 2.Course expires one (1) year from equipment installation date (or purchase date if sold separately) 3.Customer must sign Philips Nondisclosure statement 4.Trainee must sign Philips Nondisclosure statement 5.Customer must sign Philips terms and conditions of training	
16	Customer Note	1
	Windows 7 Compliance: The equipment identified in this quote will be delivered with version 2.0 software as a Sparq 2.0 system. The equipment is Windows 7 Operating System compliant.	

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- Sleep Mode allows the user to save battery power when not in use

System Architecture:

- Next generation all-digital compact broadband beamformer with pulse shaping capability.
- High resolution A/D conversion with 170 dB full-time system dynamic range.
- 20,000 digitally-processed channels.
- Supports PureWave technology.
- Multi-variate harmonic imaging including pulse inversion processing.
- One-touch 2D optimization with broadband frequency compounding.
- SonoCT real-time beam-steered compound imaging.
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- Active native data (allows manipulation of raw image data)
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- L12-4 broadband linear array
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	Pulse Wave Doppler (PW) Available on all imaging transducers: <ul style="list-style-type: none">Adjustable sample volume size: 0.8-24.6 mm (transducer dependent)Simultaneous or duplex mode of operationSimultaneous 2D, color Doppler or CPA, pulsed DoppleriSCAN optimization automatically adjusts scale, baseline and Doppler gain (in select transducers and presets).	
	ContinuousWaveDoppler(CW) Available on cardiac sector array transducers: <ul style="list-style-type: none">Steerable through 90° sectorMaximum velocity range: +/-20 m/sec (transducer dependent).	
	Tissue Doppler Imaging Available on S4-2-Cardiac:	

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7	<p>C9-4v Compact</p> <ul style="list-style-type: none"> Curved array transducer with 9 to 4 MHz extended operating frequency range and 150-degree field of view. Supports 2D, color, PW Doppler (optional), and color power angio imaging for endovaginal applications. Biopsy kit available. 	14
8	<p>English Manual</p> <p>Operation Manual</p>	14
9	<p>Online BST</p> <p>Sparq/HD15/CX/VISIQ for 1</p>	14

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7	<p>S4-2 Compact</p> <p>Cardiac, abdominal, FAST, Lung</p> <ul style="list-style-type: none"> 4 to 2 MHz extended operating frequency range Phased array with 80 elements Scanplane aperture: 20.3 mm Optional steerable PW Doppler, high PRF Doppler, CW Doppler Color Doppler, advanced XRES and harmonic imaging Optional Tissue Doppler imaging (TDI) - Color and PW. 	15
8	<p>English Manual</p> <p>Operation manual</p>	15

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