

REQUESTING SERVICE: SURGERY SERVICE  
SHIP TO: SLVHCS  
V. A. Medical Center  
2400 Canal Street  
New Orleans, LA 70119  
PO#: 629-B60009

## THIS REQUIREMENT IS FOR 3 SYSTEMS DESCRIPTIONS LISTED BELOW

Line #	Part #	Description	Qty
--------	--------	-------------	-----

1		<b>Affiniti 70 GI System</b>	1
---	--	------------------------------	---

**Affiniti 70 GI System**

Affiniti features an uncompromised level of clinical performance to meet the challenges of today's busy ultrasound practices

- New tablet like interface revolutionizes how you interact with the system resulting in a reduction in exam reach and exam steps.
- Large 21.5-inch high definition LCD display mounted on fully articulating extension arm for easy viewing in virtually any environment
- Infinite articulation of control panel and monitor allows for perfect alignment whether sitting or standing (180 degrees of freedom from center) to scan ergonomically
- Almost silent when running (37-41dB) – equivalent to the sound of a library
- 4 transducer ports
- Integrated footrest
- Integrated storage shelves and drawer
- 4 wheel swivel and swivel/brake lock control
- Up to 4,718,592 total digital channels
- Exclusive adaptive signal to noise ratio that achieves system dynamic range of up to 280 dB for improved 2D
- Sixteen core processing computer with 1 Tbyte hard drive and 4 GByte graphics display
- Philips Next Generation SonoCT Real-Time Compounding, with Widescreen capability and up to 9 beam-steered lines of sight that acquires more information and reduces angle-generated artifacts
- Philips next generation XRES Adaptive Image Processing for noise and artifact reduction to improve tissue and border definition
- Fully independent, multiple mode
- Vascular High-Q Automatic Doppler provides real-time tracking of Doppler signal, automatically selecting the highest peak velocity and with the touch of a button, adding measurements to your report.

### **Automation**

Designed with our most innovative tools to maximize efficiency

- Autoscan (real time iSCAN) automatically optimizes gain and TCG continuously to assure you are achieving an optimal image in 2D, 3D and 4D.
- Vascular High-Q Automatic Doppler provides real-time tracking of Doppler signal, automatically selecting the highest peak velocity and with the touch of a button, adding measurements to your report
- Intelligent Tissue Specific Imaging
- Application-specific and user definable Quicktext Automatic Annotation
- QuickSAVE User Defined Programs (up to 45 per transducer)

Line #	Description	Qty
--------	-------------	-----

#### Data

- On-board workstation-class data management with thumbnail previews and storage of images, loops
- and reports
- Retrospective and prospective clip capture to internal drive or removable media
- Ability to send X,Y & Z volume MPR's to most PACS
- Ability to export
- QLAB native data

#### Other Core Features

- Abdomen clinical option
- Battery back-up
- Color Power Angio
- Tissue Harmonics and Pulse Inversion Harmonic Imaging
- 2D, M-Mode, Anatomic M-mode, Color Flow Doppler, Pulsed Wave Doppler (PW), High PRF PW Continuous Wave Doppler, Chroma Imaging, Tissue Doppler Imaging, Pulse Inversion, Cineloop Image, M-mode and Doppler Review
- High Definition Write Zoom and Read Zoom with pan features
- Chroma Imaging
- Measurement tools including: distance, depth, area, and circumference
- Volume Flow Measurements

#### NetLink Dicom

Provides network print and store, commit, modality worklist, and structured reporting for adult and pediatric echo, vascular, and OB/GYN. Integrated Wireless DICOM with WEP2 security capability. Also enables DICOM Query and Retrieve (optional capability).

#### Easy-clip Cable Mgmt Solution

Unique cable management system that keeps cables tangle and damage-free, while also decreasing cable strain for greater operator comfort while scanning. Two easy-clips included; enough for four transducers.

#### Clinical Education

\*\*\*2 days of Implementation Onsite Training (expires 90 days after install, provided Mon-Fri during normal business hours) and an E-Learning subscription; Basic System Training course for two people (expires 180 days after install).

\*\*\*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.

**BST ONLINE COURSE** (qty 2) –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.

Line #	Description	Qty
2	<b>Affiniti GI Productivity Bundle</b> <b>SmartExam</b> SmartExam protocols are easy-to-use customizable guides that help you perform complete studies on every patient. The on-screen menu guides you through the required views for a specific exam type, automatically enters annotation, and builds your report.  <b>Auto Doppler</b> One-button flow optimization, angle correction and steering of PW Doppler and color Doppler.  <b>Ultrasound Query Retrieve</b>	1
3	<b>NA Radiology Clinical Package</b> Includes the following: <ul style="list-style-type: none"> <li>• Vascular Clinical Option (includes TCD)</li> <li>• Small Parts Clinical Option</li> <li>• Musculoskeletal Clinical Option</li> <li>• Pediatric GI Clinical Option</li> <li>• Obstetrical Clinical Option</li> <li>• Gynecology Clinical Option</li> </ul> <b>Vascular Clinical Option:</b> <ul style="list-style-type: none"> <li>• Tissue Specific Imaging software for specific transducers in vascular ultrasound applications</li> <li>• Display optimization software with Tissue Specific presets for vascular imaging and Doppler applications, including TCD and trans-orbital</li> <li>• Analysis software package includes a vascular imaging protocol and report; Provides vascular reporting</li> </ul> Affiniti 70: Allows operation of L12-3, L12-4, L12-5 50mm, L18-5, L15-7io, C5-1, C6-2, C8-5, D5cwc transducers. Affiniti 50: Allows operation of L12-4, L12-5 50mm, L18-5, L15-7io, C6-2, C8-5, D5cwc transducers.  <b>TCD:</b> <ul style="list-style-type: none"> <li>• Tissue Specific Imaging software for appropriate sector array and non-imaging static Doppler transducers in Trans Cranial Doppler ultrasound applications</li> <li>• Analysis software package includes a TCD protocol and report, and Tissue Specific Imaging settings</li> </ul> Affiniti 70: Allows operation of S5-1, S4-2 and D2tcd Transducers. Affiniti 50: Allows operation of S4-2 and D2tcd Transducers. Small Parts Clinical Option:  <b>Small Parts Clinical Option:</b> <ul style="list-style-type: none"> <li>• Tissue Specific Imaging software for linear array transducers in Small Parts ultrasound applications</li> </ul>	1

Line #	Description	Qty
	<ul style="list-style-type: none"> <li>• Display optimization software with Tissue Specific presets for Small Parts imaging and Doppler applications</li> <li>• Analysis software package includes a general imaging protocol and report</li> </ul>	
	Affiniti 70: Allows operation of L12-3, L12-4, L12-5 50mm, and L15-7io and L18-5 transducers.	
	Affiniti 50: Allows operation of L12-4, L12-5 50mm, and L15-7io and L18-5 transducers.	
	<b>Musculoskeletal Clinical Option:</b>	
	<ul style="list-style-type: none"> <li>• The Musculoskeletal Clinical Option was developed to support the expanding application area of musculoskeletal ultrasound.</li> <li>• These TSI settings enable clinicians to select General or Superficial imaging setting.</li> <li>• The musculoskeletal Tissue Specific Imaging settings support high resolution broadband transducers including:</li> </ul>	
	Affiniti 70: Allows operation of L18-5, L12-5 50mm, L12-4, L12-3 and L15-7io transducers.	
	Affiniti 50: Allows operation of L18-5, L12-5 50mm, L12-4, and L15-7io transducers.	
	<b>Pediatric GI Clinical Option:</b>	
	<ul style="list-style-type: none"> <li>• Tissue Specific imaging software for appropriate linear, phased and curved array transducers in pediatric ultrasound applications</li> <li>• Display optimization software with Tissue Specific presets for pediatric imaging and Doppler applications</li> <li>• Analysis software package includes a general imaging protocol and report and the following Optional Tools <ul style="list-style-type: none"> <li>• Hip Angle</li> <li>• d:D Ratio</li> </ul> </li> </ul>	
	Affiniti 70: Allows operation of C5-1, C6-2, C9-2, C8-5, S8-3, S12,4, L12-3, L12-4, L12-5 50mm, L15-7io and L18-5 transducers.	
	Affiniti 50: Allows operation of C6-2, C8-5, S8-3, S12,4, L12-4, L12-5 50mm, L15-7io and L18-5 transducers.	
	<b>Obstetrical Clinical Option:</b>	
	<ul style="list-style-type: none"> <li>• Tissue Specific Imaging software for specific transducers in obstetrical ultrasound applications</li> <li>• Display optimization software with Tissue Specific presets for obstetrical imaging and Doppler applications</li> <li>• Analysis software package includes obstetrical imaging protocols, report and trending</li> </ul>	
	Affiniti 70: Allows operation of C5-1, C6-2, C9-2, V6-2, C10-3v, C9-4v, S8-3, L12-3, L12-4, L12-5 50mm, C10-4ec and 3D9-3V transducers.	
	Affiniti 50: Allows operation of C6-2, V6-2, C9-4v, S8-3, L12-4, L12-5 50mm, C10-4ec and 3D9-3V transducers.	
	<b>Gynecology Clinical Option:</b>	

Line #	Description	Qty
	<ul style="list-style-type: none"> <li>Tissue Specific Imaging software for appropriate curved array transducers in Gynecological ultrasound applications</li> <li>Display optimization software with Tissue Specific presets for Gynecological imaging and Doppler applications</li> <li>Analysis software packages include imaging protocols and reports for:</li> <li>include imaging protocols and reports for: <ul style="list-style-type: none"> <li>Uterus studies</li> <li>Rt and Lt Ovary studies</li> <li>Rt and Lt Follicle studies</li> <li>Pelvic Vasculature</li> </ul> </li> </ul>	
	<p>Affiniti 70: Allows operation of C5-1, C6-2, C10-3v, C9-4v, C10-4ec and 3D9-4v transducers.</p> <p>Affiniti 50: Allows operation of C6-2, C9-4v, C10-4ec and 3D9-4v transducers.</p>	
4	<b>Government Security</b>	1
	Required by all DoD customers. This option disables VNC capabilities (which if enabled would provide remote desktop support) for increased security of data.	
5	<b>4D Imaging</b>	1
	Quantitative 3D/4D volume acquisition with SonoCT supported on V6-2, VL13-5 and 3D9-3v transducers. Also includes 3D Color Power Angio and 3D Color Doppler capabilities. Includes advanced MPR display capability. Allows acquisition of 3D freehand uncalibrated data with any linear or curved array probe except motorized transducers.	
6	<b>3D9-3v Transducer</b>	1
	Curved array transducer with 9 to 3 MHz extended operating frequency range and 130-degree field of view, supporting high resolution 2D imaging; high resolution quantitative, single sweep 3D volume acquisition; and 4D imaging for endovaginal obstetrical and gynecological applications.	
7	<b>L12-3 Transducer</b>	1
	Linear array transducer with 12 to 3 MHz extended operating frequency range for vascular. Can also be used for musculoskeletal, pediatric radiology, small parts, obstetrical, and abdominal applications.	
8	<b>C5-1 PureWave Transducer</b>	1
	<p>For Affiniti G and W:</p> <p>PureWave curved array transducer with 5 to 1 MHz extended operating frequency range. C5-1 PureWave Curved Array for high performance OB/GYN, Abdominal and Interventional applications. Now, one transducer provides exceptional clinical performance for a wide range of patient types including obese and technically challenging patients.</p> <p>For Affiniti C:</p> <p>PureWave curved array transducer with 5 to 1 MHz extended operating frequency range. C5-1 PureWave Curved Array for high performance Vascular and Fetal Heart applications. Now, one transducer provides exceptional clinical performance for a wide range of patient types including obese and technically challenging patients.</p>	
9	<b>3D9-3v Biopsy Guide</b>	1
	Kit includes disposable guide with latex covers.	
10	<b>C5-1 Biopsy Guide Infinity</b>	1
	Non-sterile reusable multi-angle bracket with Infinity needle guide for use with the C5-1 transducer.	
11	<b>English Manual</b>	1

Line #	Description	Qty
	Operation Manual	
12	<b>S-Video Option</b> Provides analog video signal output to compatible s-video devices.	1
13	<b>Internal B&amp;W Printer</b> Internally mounted and remote controlled, medical grade high resolution black and white thermal printer for image documentation.	1
14	<b>DVD Drive</b> Integrated DVD/CD burning capability for storage of DICOM images or export in JPEG and .avi for PC compatibility.	1
15	<b>1st SVC Manual for Gov</b>	1
16	<b>Airfare to Cleveland for Biomed Training</b> 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.	1
17	<b>Food Transpt Lodging for Cleveland Biomed Training</b> 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.	3
18	<b>US2798 Affiniti CTC3</b> Course Number: US2798 System Codes: 795208, 795209, 795210, 795211 Course Title: Affiniti Biomed Course Length: 3 days Delivery Method(s): Instructor Led Training Modality: Ultrasound Location: Cleveland, Best, Regional Training Centers Target Audience: Customer Biomedical Engineers DESCRIPTION: This course focuses primarily upon equipment operation, maintenance and primary repair tasks. Ultrasound principles, board level theory, correct disassembly-reassembly, system diagnostics and system connectivity are covered to facilitate service and repair tasks. Hands-on lab exercise give the student experience using the system, configuring settings and performing troubleshooting and corrective maintenance tasks.  PREREQUISITES: General knowledge of ultrasound and service/maintenance of electronic equipment. US9080 Ultrasound Essentials for Biomed, recommended, but not required.  COURSE OBJECTIVES: After completing this course, you will be able to: • Describe the Affiniti products.	1

Line #	Description	Qty
--------	-------------	-----

- Perform basic system operation.
- Explain board level theory.
- Perform disassembly and reassembly of the equipment as required to replace components.
- Perform mechanical adjustments.
- Configure and test system connectivity settings.
- Perform primary system diagnostics.

\* 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 RIGHTFIT 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:

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

Line #	Description	Qty
1	<b>Affiniti 70 GI System</b>	1

### **Affiniti 70 GI System**

Affiniti features an uncompromised level of clinical performance to meet the challenges of today's busy ultrasound practices

- New tablet like interface revolutionizes how you interact with the system resulting in a reduction in exam reach and exam steps.
- Large 21.5-inch high definition LCD display mounted on fully articulating extension arm for easy viewing in virtually any environment
- Infinite articulation of control panel and monitor allows for perfect alignment whether sitting or standing (180 degrees of freedom from center) to scan ergonomically
- Almost silent when running (37-41dB) – equivalent to the sound of a library
- 4 transducer ports
- Integrated footrest
- Integrated storage shelves and drawer
- 4 wheel swivel and swivel/brake lock control
- Up to 4,718,592 total digital channels
- Exclusive adaptive signal to noise ratio that achieves system dynamic range of up to 280 dB for improved 2D
- Sixteen core processing computer with 1 Tbyte hard drive and 4 GByte graphics display
- Philips Next Generation SonoCT Real-Time Compounding, with Widescreen capability and up to 9 beam-steered lines of sight that acquires more information and reduces angle-generated artifacts
- Philips next generation XRES Adaptive Image Processing for noise and artifact reduction to improve tissue and border definition
- Fully independent, multiple mode
- Vascular High-Q Automatic Doppler provides real-time tracking of Doppler signal, automatically selecting the highest peak velocity and with the touch of a button, adding measurements to your report.

### **Automation**

Designed with our most innovative tools to maximize efficiency

- Autoscan (real time iSCAN) automatically optimizes gain and TCG continuously to assure you are achieving an optimal image in 2D, 3D and 4D.
- Vascular High-Q Automatic Doppler provides real-time tracking of Doppler signal, automatically selecting the highest peak velocity and with the touch of a button, adding measurements to your report
- Intelligent Tissue Specific Imaging
- Application-specific and user definable Quicktext Automatic Annotation
- QuickSAVE User Defined Programs (up to 45 per transducer)



Line #	Description	Qty
--------	-------------	-----

#### Data

- On-board workstation-class data management with thumbnail previews and storage of images, loops
- and reports
- Retrospective and prospective clip capture to internal drive or removable media
- Ability to send X,Y & Z volume MPR's to most PACS
- Ability to export
- QLAB native data

#### Other Core Features

- Abdomen clinical option
- Battery back-up
- Color Power Angio
- Tissue Harmonics and Pulse Inversion Harmonic Imaging
- 2D, M-Mode, Anatomic M-mode, Color Flow Doppler, Pulsed Wave Doppler (PW), High PRF PW Continuous Wave Doppler, Chroma Imaging, Tissue Doppler Imaging, Pulse Inversion, Cineloop Image, M-mode and Doppler Review
- High Definition Write Zoom and Read Zoom with pan features
- Chroma Imaging
- Measurement tools including: distance, depth, area, and circumference
- Volume Flow Measurements

#### NetLink Dicom

Provides network print and store, commit, modality worklist, and structured reporting for adult and pediatric echo, vascular, and OB/GYN. Integrated Wireless DICOM with WEP2 security capability. Also enables DICOM Query and Retrieve (optional capability).

#### Easy-clip Cable Mgmt Solution

Unique cable management system that keeps cables tangle and damage-free, while also decreasing cable strain for greater operator comfort while scanning. Two easy-clips included; enough for four transducers.

#### Clinical Education

\*\*\*2 days of Implementation Onsite Training (expires 90 days after install, provided Mon-Fri during normal business hours) and an E-Learning subscription; Basic System Training course for two people (expires 180 days after install).

\*\*\*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.

**BST ONLINE COURSE** (qty 2) –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.

Line #	Description	Qty
2	<b>Affiniti GI Productivity Bundle</b> <b>SmartExam</b> SmartExam protocols are easy-to-use customizable guides that help you perform complete studies on every patient. The on-screen menu guides you through the required views for a specific exam type, automatically enters annotation, and builds your report.  <b>Auto Doppler</b> One-button flow optimization, angle correction and steering of PW Doppler and color Doppler.  <b>Ultrasound Query Retrieve</b>	1
3	<b>NA Radiology Clinical Package</b> Includes the following: <ul style="list-style-type: none"> <li>• Vascular Clinical Option (includes TCD)</li> <li>• Small Parts Clinical Option</li> <li>• Musculoskeletal Clinical Option</li> <li>• Pediatric GI Clinical Option</li> <li>• Obstetrical Clinical Option</li> <li>• Gynecology Clinical Option</li> </ul> <b>Vascular Clinical Option:</b> <ul style="list-style-type: none"> <li>• Tissue Specific Imaging software for specific transducers in vascular ultrasound applications</li> <li>• Display optimization software with Tissue Specific presets for vascular imaging and Doppler applications, including TCD and trans-orbital</li> <li>• Analysis software package includes a vascular imaging protocol and report; Provides vascular reporting</li> </ul> Affiniti 70: Allows operation of L12-3, L12-4, L12-5 50mm, L18-5, L15-7io, C5-1, C6-2, C8-5, D5cwc transducers. Affiniti 50: Allows operation of L12-4, L12-5 50mm, L18-5, L15-7io, C6-2, C8-5, D5cwc transducers.  <b>TCD:</b> <ul style="list-style-type: none"> <li>• Tissue Specific Imaging software for appropriate sector array and non-imaging static Doppler transducers in Trans Cranial Doppler ultrasound applications</li> <li>• Analysis software package includes a TCD protocol and report, and Tissue Specific Imaging settings</li> </ul> Affiniti 70: Allows operation of S5-1, S4-2 and D2tcd Transducers. Affiniti 50: Allows operation of S4-2 and D2tcd Transducers. Small Parts Clinical Option:  <b>Small Parts Clinical Option:</b> <ul style="list-style-type: none"> <li>• Tissue Specific Imaging software for linear array transducers in Small Parts ultrasound applications</li> </ul>	1

Line #	Description	Qty
	<ul style="list-style-type: none"> <li>• Display optimization software with Tissue Specific presets for Small Parts imaging and Doppler applications</li> <li>• Analysis software package includes a general imaging protocol and report</li> </ul>	
	Affiniti 70: Allows operation of L12-3, L12-4, L12-5 50mm, and L15-7io and L18-5 transducers.	
	Affiniti 50: Allows operation of L12-4, L12-5 50mm, and L15-7io and L18-5 transducers.	
	<b>Musculoskeletal Clinical Option:</b>	
	<ul style="list-style-type: none"> <li>• The Musculoskeletal Clinical Option was developed to support the expanding application area of musculoskeletal ultrasound.</li> <li>• These TSI settings enable clinicians to select General or Superficial imaging setting.</li> <li>• The musculoskeletal Tissue Specific Imaging settings support high resolution broadband transducers including:</li> </ul>	
	Affiniti 70: Allows operation of L18-5, L12-5 50mm, L12-4, L12-3 and L15-7io transducers.	
	Affiniti 50: Allows operation of L18-5, L12-5 50mm, L12-4, and L15-7io transducers.	
	<b>Pediatric GI Clinical Option:</b>	
	<ul style="list-style-type: none"> <li>• Tissue Specific imaging software for appropriate linear, phased and curved array transducers in pediatric ultrasound applications</li> <li>• Display optimization software with Tissue Specific presets for pediatric imaging and Doppler applications</li> <li>• Analysis software package includes a general imaging protocol and report and the following Optional Tools <ul style="list-style-type: none"> <li>• Hip Angle</li> <li>• d:D Ratio</li> </ul> </li> </ul>	
	Affiniti 70: Allows operation of C5-1, C6-2, C9-2, C8-5, S8-3, S12,4, L12-3, L12-4, L12-5 50mm, L15-7io and L18-5 transducers.	
	Affiniti 50: Allows operation of C6-2, C8-5, S8-3, S12,4, L12-4, L12-5 50mm, L15-7io and L18-5 transducers.	
	<b>Obstetrical Clinical Option:</b>	
	<ul style="list-style-type: none"> <li>• Tissue Specific Imaging software for specific transducers in obstetrical ultrasound applications</li> <li>• Display optimization software with Tissue Specific presets for obstetrical imaging and Doppler applications</li> <li>• Analysis software package includes obstetrical imaging protocols, report and trending</li> </ul>	
	Affiniti 70: Allows operation of C5-1, C6-2, C9-2, V6-2, C10-3v, C9-4v, S8-3, L12-3, L12-4, L12-5 50mm, C10-4ec and 3D9-3V transducers.	
	Affiniti 50: Allows operation of C6-2, V6-2, C9-4v, S8-3, L12-4, L12-5 50mm, C10-4ec and 3D9-3V transducers.	
	<b>Gynecology Clinical Option:</b>	

Line #	Description	Qty
	<ul style="list-style-type: none"> <li>• Tissue Specific Imaging software for appropriate curved array transducers in Gynecological ultrasound applications</li> <li>• Display optimization software with Tissue Specific presets for Gynecological imaging and Doppler applications</li> <li>• Analysis software packages include imaging protocols and reports for:</li> <li>• include imaging protocols and reports for: <ul style="list-style-type: none"> <li>• Uterus studies</li> <li>• Rt and Lt Ovary studies</li> <li>• Rt and Lt Follicle studies</li> <li>• Pelvic Vasculature</li> </ul> </li> </ul>	
	<p>Affiniti 70: Allows operation of C5-1, C6-2, C10-3v, C9-4v, C10-4ec and 3D9-4v transducers.</p> <p>Affiniti 50: Allows operation of C6-2, C9-4v, C10-4ec and 3D9-4v transducers.</p>	
4	<b>Government Security</b>	1
	Required by all DoD customers. This option disables VNC capabilities (which if enabled would provide remote desktop support) for increased security of data.	
5	<b>4D Imaging</b>	1
	Quantitative 3D/4D volume acquisition with SonoCT supported on V6-2, VL13-5 and 3D9-3v transducers. Also includes 3D Color Power Angio and 3D Color Doppler capabilities. Includes advanced MPR display capability. Allows acquisition of 3D freehand uncalibrated data with any linear or curved array probe except motorized transducers.	
6	<b>3D9-3v Transducer</b>	1
	Curved array transducer with 9 to 3 MHz extended operating frequency range, supporting high resolution 2D imaging; high resolution quantitative, single sweep 3D volume acquisition; and 4D imaging for endovaginal obstetrical and gynecological applications.	
7	<b>L12-3 Transducer</b>	1
	Linear array transducer with 12 to 3 MHz extended operating frequency range for vascular. Can also be used for musculoskeletal, pediatric radiology, small parts, obstetrical, and abdominal applications.	
8	<b>C5-1 PureWave Transducer</b>	1
	<p>For Affiniti G and W:</p> <p>PureWave curved array transducer with 5 to 1 MHz extended operating frequency range. C5-1 PureWave Curved Array for high performance OB/GYN, Abdominal and Interventional applications. Now, one transducer provides exceptional clinical performance for a wide range of patient types including obese and technically challenging patients.</p> <p>For Affiniti C:</p> <p>PureWave curved array transducer with 5 to 1 MHz extended operating frequency range. C5-1 PureWave Curved Array for high performance Vascular and Fetal Heart applications. Now, one transducer provides exceptional clinical performance for a wide range of patient types including obese and technically challenging patients.</p>	
9	<b>English Manual</b>	1
	Operation Manual	
10	<b>S-Video Option</b>	1
	Provides analog video signal output to compatible s-video devices.	
11	<b>Internal B&amp;W Printer</b>	1

Line #	Description	Qty
	Internally mounted and remote controlled, medical grade high resolution black and white thermal printer for image documentation.	
12	<b>DVD Drive</b>	<b>1</b>
	Integrated DVD/CD burning capability for storage of DICOM images or export in JPEG and .avi for PC compatibility.	
13	<b>Airfare to Cleveland for Biomed Training</b>	<b>2</b>
	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.	
14	<b>Food Transpt Lodging for Cleveland Biomed Training</b>	<b>6</b>
	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.	
15	<b>US2798 Affiniti CTC3</b>	<b>2</b>
	<p>Course Number: US2798</p> <p>System Codes: 795208, 795209, 795210, 795211</p> <p>Course Title: Affiniti Biomed</p> <p>Course Length: 3 days</p> <p>Delivery Method(s): Instructor Led Training</p> <p>Modality: Ultrasound</p> <p>Location: Cleveland, Best, Regional Training Centers</p> <p>Target Audience: Customer Biomedical Engineers</p> <p>DESCRIPTION:</p> <p>This course focuses primarily upon equipment operation, maintenance and primary repair tasks. Ultrasound principles, board level theory, correct disassembly-reassembly, system diagnostics and system connectivity are covered to facilitate service and repair tasks. Hands-on lab exercise give the student experience using the system, configuring settings and performing troubleshooting and corrective maintenance tasks.</p> <p>PREREQUISITES:</p> <p>General knowledge of ultrasound and service/maintenance of electronic equipment.</p> <p>US9080 Ultrasound Essentials for Biomed, recommended, but not required.</p> <p>COURSE OBJECTIVES:</p> <p>After completing this course, you will be able to:</p> <ul style="list-style-type: none"> <li>• Describe the Affiniti products.</li> <li>• Perform basic system operation.</li> <li>• Explain board level theory.</li> <li>• Perform disassembly and reassembly of the equipment as required to replace components.</li> <li>• Perform mechanical adjustments.</li> <li>• Configure and test system connectivity settings.</li> <li>• Perform primary system diagnostics.</li> </ul> <p>* PHILIPS PROPRIETARY MATERIALS SUCH AS DIAGNOSTIC SOFTWARE AND SERVICE DOCUMENTATION ARE NOT INCLUDED IN THE TRAINING AND WILL NOT BE AVAILABLE</p>	

Line #	Description	Qty
	<p>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 RIGHTFIT AGREEMENT.)</p> <p>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.</p> <p>IMPORTANT Notes Regarding Admission to Philips Customer Engineer Training Courses:</p> <ol style="list-style-type: none"> <li>1. Trainee must meet all prerequisites</li> <li>2. Course expires one (1) year from equipment installation date (or purchase date if sold separately)</li> <li>3. Customer must sign Philips Nondisclosure statement</li> <li>4. Trainee must sign Philips Nondisclosure statement</li> <li>5. Customer must sign Philips terms and conditions of training</li> </ol>	
16	1st SVC Manual for Gov	1

Line #	Description	Qty
1	<b>Affiniti 70 GI System</b>	1

### **Affiniti 70 GI System**

Affiniti features an uncompromised level of clinical performance to meet the challenges of today's busy ultrasound practices

- New tablet like interface revolutionizes how you interact with the system resulting in a reduction in exam reach and exam steps.
- Large 21.5-inch high definition LCD display mounted on fully articulating extension arm for easy viewing in virtually any environment
- Infinite articulation of control panel and monitor allows for perfect alignment whether sitting or standing (180 degrees of freedom from center) to scan ergonomically
- Almost silent when running (37-41dB) – equivalent to the sound of a library
- 4 transducer ports
- Integrated footrest
- Integrated storage shelves and drawer
- 4 wheel swivel and swivel/brake lock control
- Up to 4,718,592 total digital channels
- Exclusive adaptive signal to noise ratio that achieves system dynamic range of up to 280 dB for improved 2D
- Sixteen core processing computer with 1 Tbyte hard drive and 4 GByte graphics display
- Philips Next Generation SonoCT Real-Time Compounding, with Widescreen capability and up to 9 beam-steered lines of sight that acquires more information and reduces angle-generated artifacts
- Philips next generation XRES Adaptive Image Processing for noise and artifact reduction to improve tissue and border definition
- Fully independent, multiple mode
- Vascular High-Q Automatic Doppler provides real-time tracking of Doppler signal, automatically selecting the highest peak velocity and with the touch of a button, adding measurements to your report.

### **Automation**

Designed with our most innovative tools to maximize efficiency

- Autoscan (real time iSCAN) automatically optimizes gain and TCG continuously to assure you are achieving an optimal image in 2D, 3D and 4D.
- Vascular High-Q Automatic Doppler provides real-time tracking of Doppler signal, automatically selecting the highest peak velocity and with the touch of a button, adding measurements to your report
- Intelligent Tissue Specific Imaging
- Application-specific and user definable Quicktext Automatic Annotation
- QuickSAVE User Defined Programs (up to 45 per transducer)

Line #	Description	Qty
--------	-------------	-----

#### Data

- On-board workstation-class data management with thumbnail previews and storage of images, loops
- and reports
- Retrospective and prospective clip capture to internal drive or removable media
- Ability to send X,Y & Z volume MPR's to most PACS
- Ability to export
- QLAB native data

#### Other Core Features

- Abdomen clinical option
- Battery back-up
- Color Power Angio
- Tissue Harmonics and Pulse Inversion Harmonic Imaging
- 2D, M-Mode, Anatomic M-mode, Color Flow Doppler, Pulsed Wave Doppler (PW), High PRF PW Continuous Wave Doppler, Chroma Imaging, Tissue Doppler Imaging, Pulse Inversion, Cineloop Image, M-mode and Doppler Review
- High Definition Write Zoom and Read Zoom with pan features
- Chroma Imaging
- Measurement tools including: distance, depth, area, and circumference
- Volume Flow Measurements

#### NetLink Dicom

Provides network print and store, commit, modality worklist, and structured reporting for adult and pediatric echo, vascular, and OB/GYN. Integrated Wireless DICOM with WEP2 security capability. Also enables DICOM Query and Retrieve (optional capability).

#### Easy-clip Cable Mgmt Solution

Unique cable management system that keeps cables tangle and damage-free, while also decreasing cable strain for greater operator comfort while scanning. Two easy-clips included; enough for four transducers.

#### Clinical Education

\*\*\*2 days of Implementation Onsite Training (expires 90 days after install, provided Mon-Fri during normal business hours) and an E-Learning subscription; Basic System Training course for two people (expires 180 days after install).

\*\*\*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.

**BST ONLINE COURSE** (qty 2) –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.



Line #	Description	Qty
2	<b>Affiniti GI Productivity Bundle</b> <b>SmartExam</b> SmartExam protocols are easy-to-use customizable guides that help y studies on every patient. The on-screen menu guides you through the required views for a specific exam type, automatically enters annotation, and builds your report.  <b>Auto Doppler</b> One-button flow optimization, angle correction and steering of PW Doppler and color Doppler.  <b>Ultrasound Query Retrieve</b>	1
3	<b>NA Radiology Clinical Package</b> Includes the following: <ul style="list-style-type: none"> <li>• Vascular Clinical Option (includes TCD)</li> <li>• Small Parts Clinical Option</li> <li>• Musculoskeletal Clinical Option</li> <li>• Pediatric GI Clinical Option</li> <li>• Obstetrical Clinical Option</li> <li>• Gynecology Clinical Option</li> </ul> <b>Vascular Clinical Option:</b> <ul style="list-style-type: none"> <li>• Tissue Specific Imaging software for specific transducers in vascular ultrasound applications</li> <li>• Display optimization software with Tissue Specific presets for vascular imaging and Doppler applications, including TCD and trans-orbital</li> <li>• Analysis software package includes a vascular imaging protocol and report; Provides vascular reporting</li> </ul> Affiniti 70: Allows operation of L12-3, L12-4, L12-5 50mm, L18-5, L15-7io, C5-1, C6-2, C8-5, D5cwc transducers. Affiniti 50: Allows operation of L12-4, L12-5 50mm, L18-5, L15-7io, C6-2, C8-5, D5cwc transducers.  <b>TCD:</b> <ul style="list-style-type: none"> <li>• Tissue Specific Imaging software for appropriate sector array and non-imaging static Doppler transducers in Trans Cranial Doppler ultrasound applications</li> <li>• Analysis software package includes a TCD protocol and report, and Tissue Specific Imaging settings</li> </ul> Affiniti 70: Allows operation of S5-1, S4-2 and D2tcd Transducers. Affiniti 50: Allows operation of S4-2 and D2tcd Transducers. Small Parts Clinical Option: <b>Small Parts Clinical Option:</b> <ul style="list-style-type: none"> <li>• Tissue Specific Imaging software for linear array transducers in Small Parts ultrasound applications</li> </ul>	1

Line #	Description	Qty
	<ul style="list-style-type: none"> <li>• Display optimization software with Tissue Specific presets for Small Parts imaging and Doppler applications</li> <li>• Analysis software package includes a general imaging protocol and report</li> </ul>	
	Affiniti 70: Allows operation of L12-3, L12-4, L12-5 50mm, and L15-7io and L18-5 transducers.	
	Affiniti 50: Allows operation of L12-4, L12-5 50mm, and L15-7io and L18-5 transducers.	
	<b>Musculoskeletal Clinical Option:</b>	
	<ul style="list-style-type: none"> <li>• The Musculoskeletal Clinical Option was developed to support the expanding application area of musculoskeletal ultrasound.</li> <li>• These TSI settings enable clinicians to select General or Superficial imaging setting.</li> <li>• The musculoskeletal Tissue Specific Imaging settings support high resolution broadband transducers including:</li> </ul>	
	Affiniti 70: Allows operation of L18-5, L12-5 50mm, L12-4, L12-3 and L15-7io transducers.	
	Affiniti 50: Allows operation of L18-5, L12-5 50mm, L12-4, and L15-7io transducers.	
	<b>Pediatric GI Clinical Option:</b>	
	<ul style="list-style-type: none"> <li>• Tissue Specific imaging software for appropriate linear, phased and curved array transducers in pediatric ultrasound applications</li> <li>• Display optimization software with Tissue Specific presets for pediatric imaging and Doppler applications</li> <li>• Analysis software package includes a general imaging protocol and report and the following Optional Tools <ul style="list-style-type: none"> <li>• Hip Angle</li> <li>• d:D Ratio</li> </ul> </li> </ul>	
	Affiniti 70: Allows operation of C5-1, C6-2, C9-2, C8-5, S8-3, S12,4, L12-3, L12-4, L12-5 50mm, L15-7io and L18-5 transducers.	
	Affiniti 50: Allows operation of C6-2, C8-5, S8-3, S12,4, L12-4, L12-5 50mm, L15-7io and L18-5 transducers.	
	<b>Obstetrical Clinical Option:</b>	
	<ul style="list-style-type: none"> <li>• Tissue Specific Imaging software for specific transducers in obstetrical ultrasound applications</li> <li>• Display optimization software with Tissue Specific presets for obstetrical imaging and Doppler applications</li> <li>• Analysis software package includes obstetrical imaging protocols, report and trending</li> </ul>	
	Affiniti 70: Allows operation of C5-1, C6-2, C9-2, V6-2, C10-3v, C9-4v, S8-3, L12-3, L12-4, L12-5 50mm, C10-4ec and 3D9-3V transducers.	
	Affiniti 50: Allows operation of C6-2, V6-2, C9-4v, S8-3, L12-4, L12-5 50mm, C10-4ec and 3D9-3V transducers.	
	<b>Gynecology Clinical Option:</b>	

Line #	Description	Qty
	<ul style="list-style-type: none"> <li>• Tissue Specific Imaging software for appropriate curved array transducers in Gynecological ultrasound applications</li> <li>• Display optimization software with Tissue Specific presets for Gynecological imaging and Doppler applications</li> <li>• Analysis software packages include imaging protocols and reports for:</li> <li>• include imaging protocols and reports for: <ul style="list-style-type: none"> <li>• Uterus studies</li> <li>• Rt and Lt Ovary studies</li> <li>• Rt and Lt Follicle studies</li> <li>• Pelvic Vasculature</li> </ul> </li> </ul>	
	<p>Affiniti 70: Allows operation of C5-1, C6-2, C10-3v, C9-4v, C10-4ec and 3D9-4v transducers.</p> <p>Affiniti 50: Allows operation of C6-2, C9-4v, C10-4ec and 3D9-4v transducers.</p>	
4	<b>Government Security</b>	1
	Required by all DoD customers. This option disables VNC capabilities (which if enabled would provide remote desktop support) for increased security of data.	
5	<b>Contrast GI</b>	1
	<p>Allows the user to optimally image approved contrast agents utilizing the following transducers:</p> <p>Affiniti 70: C5-1, C9-2, C6-2, C10-3v, C9-4v, C10-4ec, L12-5 50mm, L12-3, L12-4.</p> <p>Affiniti 50: C6-2, C9-4v, C10-4ec, L12-5 50mm, L12-4.</p> <p>Dual display shows both the contrast image and the tissue image (fundamental) at low MI with no decrease in frame rate.</p>	
6	<b>L12-3 Transducer</b>	1
	Linear array transducer with 12 to 3 MHz extended operating frequency range for vascular. Can also be used for musculoskeletal, pediatric radiology, small parts, obstretrical, and abdominal applications.	
7	<b>C5-1 PureWave Transducer</b>	1
	<p>For Affiniti G and W:</p> <p>PureWave curved array transducer with 5 to 1 MHz extended operating frequency range. C5-1 PureWave Curved Array for high performance OB/GYN, Abdominal and Interventional applications. Now, one transducer provides exceptional clinical performance for a wide range of patient types including obese and technically challenging patients.</p> <p>For Affiniti C:</p> <p>PureWave curved array transducer with 5 to 1 MHz extended operating frequency range. C5-1 PureWave Curved Array for high performance Vascular and Fetal Heart applications. Now, one transducer provides exceptional clinical performance for a wide range of patient types including obese and technically challenging patients.</p>	
8	<b>C9-2 PureWave Transducer</b>	1
	<p>For Affiniti G and W:</p> <p>PureWave curved array transducer with 9 to 2 MHz extended operating frequency range. C9-2 PureWave Curved Array for high performance OB/GYN and Abdominal. Now, one transducer provides exceptional clinical performance for a wide range of patient types including technically challenging patients.</p> <p>For Affiniti C:</p> <p>PureWave curved array transducer with 9 to 2 MHz extended operating frequency range. C9-2</p>	

Line #	Description	Qty
	PureWave Curved Array for high performance Fetal Echo and Urology. Now, one transducer provides exceptional clinical performance for a wide range of patient types including technically challenging patients.	
9	<b>ElastPQ</b> Shear Wave point quantification elastography utilizes the C5-1 transducer to conduct a virtual biopsy. At the touch of a button clinicians can acquire absolute liver stiffness data using a unique series of ultrasound pulses. This data helps clinicians assess early fibrotic changes, including much more information than can be obtained in a single tissue sample. Shear Wave ultrasound elastography offers the opportunity to avoid the complications of a biopsy and assess liver status non-invasively in combination with simple blood work.	1
10	<b>C5-1 Biopsy Guide Infinity</b> Non-sterile reusable multi-angle bracket with Infiniti needle guide for use with the C5-1 transducer.	1
11	<b>English Manual</b> Operation Manual	1
12	<b>S-Video Option</b> Provides analog video signal output to compatible s-video devices.	1
13	<b>Internal B&amp;W Printer</b> Internally mounted and remote controlled, medical grade high resolution black and white thermal printer for image documentation.	1
14	<b>DVD Drive</b> Integrated DVD/CD burning capability for storage of DICOM images or export in JPEG and .avi for PC compatibility.	1
15	<b>1st SVC Manual for Gov</b>	1