| Line # | Part # | Description | Qty |
|--------|--------|-------------|-----|
| **1** | | **Epiq 7 3D xMatrix for CV** | **1** |

**EPIQ 7 CV Ultrasound System**

EPIQ 7 is a new direction for premium ultrasound featuring an uncompromised level of clinical performance to meet the challenges of today's most demanding practices– the most powerful architecture ever applied to ultrasound imaging – touching all aspects of acoustic acquisition and processing allowing you to truly experience Ultrasound's evolution to a more definitive modality.

Supported by our family of proprietary xMATRIX transducers and our leading edge of Anatomical Intelligence, this platform offers our highest level of premium performance. Reinvention of the premium ultrasound user experience

- New tablet like interface revolutionizes how you interact with the system resulting in dramatic reduction of exam reach and exam steps. (11% reduction in total steps, 80% reduction in long reaches)
- Lightest premium system in its class (210 pounds) – 45% lighter than the heaviest competitive premium system.
- Large 21-inch high definition LCD display for easy viewing in virtually any environment
- Infinite articulation of control panel and monitor allows for perfect alignment whether sitting or standing (720 degrees of freedom) to scan ergonomically
- Almost silent when running (37-41bD) – equivalent to the sound of a library
- 4 transducer ports
- Ambient lighting of transducer connectors and the peripheral housing bay
- Integrated footrest
- Integrated storage shelves
- 4 wheel swivel and swivel/brake lock control

The most powerful architecture ever applied to ultrasound imaging

- Proprietary nSight architecture - a totally new way to form ultrasound images – all without compromise.

The combination of a new precision beamformer and massive parallel processing allow EPIQ 7 to receive and process an enormous amount of acoustic data allowing the system to focus down to the pixel level…all in real time.

- Up to 7,071,744 total digital channels (xMATRIX configuration)
- Up to 4,718,592 total digital channels (non xMATRIX configuration)
- Exclusive adaptive signal to noise ratio that achieves system dynamic range of up to 192 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 Triplex operation

**Transducers**
Advanced MicroConnector technology offers pinless design for exceptional reliability and performance that feature:

- Ergonomic designs with lightweight flexible cables
- New low-loss technology for better penetration with fewer artifacts
- Breakthrough frequency bandwidths and array configurations

Supports array configurations up to 20 MHz – sector, linear, curved, tightly curved, TEE and xMATRIX volume transducers

**Automation**
Designed with our most innovative tools to maximize efficiency

- Autoscan (real time iSCAN) automatically optimizes gain while imaging and TCG continuously to assure you are achieving an optimal image in 2D & Live 3D.
- Intelligent Tissue Specific Imaging
- Application-specific and user definable Quicktext Automatic Annotation
- QuickSAVE User Defined Programs (up to 45 per transducer)
- SmartExam system-guided protocols with new features that include exam record and automatic mode switching to greatly improve workflow efficiencies
- Vascular Auto Doppler automatically adjusts color box position and angle, as well as sample volume placement and angle. Also includes Auto Flow Tracking for automatic angle correction with sample volume movements
- 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.

**Data**

- Multi Modality Query Retrieve (Allows for the viewing of DICOM CT, iXR, NM, MRI and ultrasound images – you can review these images while you are live imaging)
- NetLink/DICOM 3.0 provides network print and store, commit, modality worklist, DICOM Query and Retrieve, and structured reporting for adult and pediatric echo and vascular
- DICOM 3.0 Print and Store capability to internal drive or DVD/CD
- Integrated Wireless DICOM with WEP security
- 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
- Integrated DVD/CD burning capability for storage of DICOM images or export in JPEG and .avi for PC compatibility
- Ability to export QLAB native data

**Other Core Features**

- Tissue Doppler Imaging
- Cardiac Stress Echo, with Defer Selection and Live Compare functions
- 2D, M-Mode, Color Doppler, PW, High PRF PW, CW
- Temporary ID
- LVO Contrast
- Cineloop Image, M-Mode and Doppler Review
- High Definition Write Zoom and Read Zoom with pan features
- Measurement tools including: distance, depth, area, and circumference
- Volume Flow Measurements
- User Defined Calculations
- Application-specific Body Mark selections
- Color Power Angio

**Power Battery Pack**
Highly recommended for portable ultrasound studies. Allows system to be place in sleep mode and booted up in 20 seconds. Allows activation of the smart handle when not plugged in to central power.

**Region of interest Q-App (ROI)**
Designed to increase the consistency and reliability of acoustic measurements while reducing the effort required to successfully perform ROI analysis for contrast imaging, tissue analysis and color Doppler.

**Intima Media Thickness Q-App (IMT)**
Provides automated measurements of intima media thickness in carotids and other superficial vessels, and eliminates the need to manually position cursors, minimizing the time needed to complete an IMT study.

**Strain Quantification Q-App (SQ)**
Measures the myocardial velocity from Color Tissue Doppler (aka TDI) datasets and derives the displacement, strain and strain rate along user-defined M-Lines; includes ability to overlay opening and closing of aortic and mitral valves on SQ curves to display Left Ventricle mechanical events; and the user selectable waveform display makes SQ curves easier to read.

**xMATRIX xPlane and Live 3D**
Provides a combination of functionality when using xMATRIX transducers in both 2D and Live 3D modes.

iRotate: ability to the 2D imaging plane without rotating the transducer. iRotate can be used in 2D and color flow. Can also be incorporated into 2D Stress Echo protocols to minimize acquisition times and improve reproducibility of images at different stages (X5-1 and X7-2t only). Live xPLANE: ability to image and acquire 2 orthogonal 2D images. The orthogonal plane can be tilted in the lateral or elevation plane as well as be rotated. Works in 2D and in color flow (all xMATRIX transducers).

Live 3D: ability to perform real time Live 3D (dynamic 3D) allowing assessment of structures and its relationship within the anatomy, in greyscale and color Doppler. Zoom functionality optimized for detailed Live 3D imaging of specific anatomic structures. (all xMATRIX transducers). Live 3D Full Volumes: ability to capture a large volume in Live 3D. Designed to encompass the entire

heart. Can be performed in greyscale or with color Doppler. Multiple acquisition modes available, from 1 to 6 beats cardiac cycles.(X5-1 and X7-2t only).

**Clinical Education**

**EpiQ (CV) 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.

**If you are purchasing Live 3D with a New System you will receive;** *1 Day offsite Advanced Customer Training course for one (expires 180 days after install), a 3 Day offsite University (expires 275 days after install), A Post University Integration onsite class (expires 365 days after install), and one subscription to E-Echocardiography.com (must be activated within 90 days of code notification). All offsite training includes travel, see travel disclaimer**

**If you are purchasing Live 3D as an upgrade you will receive;** ***1 day of Implementation Onsite Training (expires 90 days after install, provided Mon-Fri during normal business hours) and a *1 Day offsite Advanced Customer Training course for one (expires 180 days after install). All offsite training includes travel, see travel disclaimer**

*If purchased with 2D Quantification Bundle, offsite advanced customer training tuitions must be used consecutively.

**TRAVEL Disclaimer: Travel & Accommodations for registered attendees. Each tuition 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 the course duration. 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. Note: 21 day Cancellation/Rescheduling policy is strictly enforced.

***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.

| 2 | EC7 2D A.I. Quantification Bundle | 1 |

**Automated 2D Quantification Q-App (a2DQ)**
Automatically draws a region of interest based on the selected anatomical view, (user can edit the ROI if desired) and generates LV Ejection Fraction (EF), End Systolic Volume (ESV) and End Diastolic Volume (EDV). Also provides an in-depth report displaying areas, volumes and advanced parameters for LV systolic and diastolic function including: LV Ejection Fraction (EF), Peak Ejection Rate (PER), Peak Rapid Filling Rate (PRFR) and Atrial Filling Fraction (AFF). TMAD allows visualization and quantification of Atrio-Ventricular Annulus planes motion in order to assess cardiac global function in an easy workflow that facilitates trending reports.

**Automated Cardiac Motion Quantification Q-App**
Automatically draws a region of interest based on the selected anatomical view, (user can edit the

ROI if desired) and generates measurements of the global and regional functions and reports them in a table, a 17-segment bull's eye, and a variety of waveform displays. It additionally computes LV Ejection Fraction (EF), End Systolic Volume (ESV) and End Diastolic Volume (EDV).

- PureWave sector transducers only (S5-1, X5-1, X7-2t)

**Clinical Education**

*1 day offsite Advanced Customer Training course for one (expires 180 days after install). All offsite training includes travel, see travel disclaimer**

*If purchased with Live 3D, offsite advanced customer training tuitions must be used consecutively.
**TRAVEL Disclaimer: Travel & Accommodations for registered attendees. Each tuition 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 the course duration. 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. Note: 21 day Cancellation/Rescheduling policy is strictly enforced.

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| 3 | Adult Echo Clinical Option | 1 |

Tissue Specific Imaging software for specific transducers in Adult echo ultrasound applications
- Display optimization software with Tissue Specific presets for Adult echo imaging and Doppler applications
- Analysis software package includes a adult echo imaging protocol and report
Allows operation of S5-1, X5-1, X7-2t ,S8-3, L15-7io and D2cwc transducers.

| 4 | 3DQ Apps Bundle | 1 |

Provides both 3DQ and 3DQA Q-Apps

Cardiac 3D Quantification Q-App (3DQ): Provides easy access to Live 3D, 3D Zoom, Full Volume and 3D Color data sets; Offers viewing, cropping, slicing and quantification including distance measurements, area, Bi-plane LV Volume, Ejection Fraction (EF) and LV Mass calculations; 3DQ also provides Multiplanar Reconstruction (MPR) views for unlimited anatomical planes from 3D volume and new 3D iSlice generation.
Cardiac 3D Advanced Quantification Q-App (3DQ Advanced): Provides display and manipulation of dynamic three-dimensional rendering and left ventricular (LV) volumes from iE33 systems. MultiPlanar Reconstruction (MPR) views provide unlimited anatomical planes from 3D volume. Measures LV endocardial volumes, stroke volume (SV) and true 3D ejection fraction (EF) using a semi-automated border detection in 3D space. Computes global and regional LV volumes based on ACC 17-segment model. Displays global LV volume waveform and provides selective display of 17 regional volume waveforms. Offers timing assessment for each 17 minimal regional volumes and determine a synchronicity index for all volume segments or a user-selectable group of volume segments. Provides comprehensive report with summary of synchronicity indexes and displays regional Timing and Radial Excursion Parametric Images in bull's-eye representation.

| 5 | X5-1 Transducer Compact | 1 |

xMATRIX transducer with PureWave Crystal Technology. xMATRIX transducer with 5 to 1 MHz extended operating frequency range for adult echo applications in 2D, Live xPlane and Live 3D modes. Highly-functional, ergonomic design that operates in all imaging modes, making it practical for everyday use.

| 6 | X7-2t Transducer | 1 |

High frequency xMATRIX sector array transesophageal transducer with PureWave Crystal technology.  Fully functional transducer with 7 to 2 MHz extended operating frequency range that images in 2D, Live xPlane, Live 3D, 3D Zoom, Full Volume and 3D color modes.  Includes M-Mode, PW doppler, CW doppler, harmonics, true electrocautery suppression, and adaptive autocool.  Includes ECG interface cable, and 1 disposable tip protector.

**Clinical Education**

**X7-2T Clinical Education;** ***1 day of Implementation Onsite Training (expires 90 days after install, provided Mon-Fri during normal business hours), an E-Learning subscription; Basic System Training course for two people (expires 180 days after install), a 2 Day offsite TEE University (expires 365 days after install) and one subscription to E-Echocardiography.com (must be activated within 90 days of code notification). All offsite training includes travel, see travel disclaimer**

**TRAVEL Disclaimer: Travel & Accommodations for registered attendees. Each tuition 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 the course duration. 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. Note: 21 day Cancellation/Rescheduling policy is strictly enforced.

***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.

| 7 | D2CWC Transducer | 1 |

Non-imaging 2 MHz PW/CW Doppler transducer for cardiac applications.

| 8 | English Manual | 1 |

Operation Manual

| 9 | 1st SVC Manual for Gov | 1 |

| 10 | Airfare to Cleveland for Biomed Training | 1 |

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.

| 11 | Food Transpt Lodging for Cleveland Biomed Training | 3 |

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.

| 12 | US2094 EPIQ 1.0 BIOMED CTC 3 | 1 |

Course Title: EPIQ 1.0 Biomed
Course Number: US2794
Course Length: 3 days
Delivery Method(s): Instructor Led
Modality:  Ultrasound
Location:   Cleveland and Best
Target Audience: Biomed and Hospital Engineers


DESCRIPTION:
This course prepares the customer's service technician to perform routine and corrective service tasks for the EPIQ systems in support of the Philips Field Service Engineer.

PREREQUISITES:
US9080 Ultrasound Essentials for Biomed, Recommended.

COURSE OBJECTIVES:
After completing this course, you will to:
• Describe and differentiate the EPIQ products.
• Support the installation of the systems by the FSE.
• Explain how to configure EPIQ systems.
• Operate the EPIQ systems.
• Train users on basic EPIQ system operation.
• Configure the system settings and operate the EPIQ systems at a basic level.
• Describe the theory of operation of the EPIQ systems.
• Use the software tools provided with the PSC in the EPIQ systems.
• Service the EPIQ systems.

| 13 | Uptime Guarantee EPIQ | 1 |

Philips Medical Systems


**Uptime Guarantee Exhibit (for EPIQ ultrasound systems only)**


Philips agrees to provide to Customer a 98% uptime guarantee during the warranty period on the EPIQ ultrasound systems specified below. Equipment subject to this uptime guarantee includes only the EPIQ ultrasound systems identified below and does not include peripheral equipment such as external printers, archiving devices or external display monitors.


Uptime is defined as the ability to use the EPIQ ultrasound system to perform or complete an ultrasound diagnostic examination. The EPIQ ultrasound system shall not be considered down if it is used for diagnostic purposes after contacting the Philips Customer Service Center. For purposes of this guarantee, a working hour of downtime is defined as a 60-minute period occurring between 8 am and 5 pm, Monday through Friday, excluding Philips observed holidays in which the

EPIQ ultrasound system is unable to be used to perform or complete an ultrasound diagnostic examination. Downtime is calculated from the time the Philips Customer Service Center is notified.

Uptime Percentage is determined by dividing the Uptime Hours by the Base Hours, and multiplying the result by 100. [Uptime Percentage = (Uptime Hours/Base Hours) x 100]

Base Hours is the total number of hours in the warranty period (9 hours per day x 5 days x 52 weeks = 2340 hours).

Uptime Hours is the total number of hours in the warranty period in which the EPIQ ultrasound system is able to be used perform or complete an ultrasound diagnostic examination (i.e., Base Hours minus downtime hours).

The warranty period shall be extended for 12 weeks if the Uptime Percentage is less than the Minimum Percent Uptime. The customer must claim this extension no later than 60 days after the end of the warranty period. To claim the extension, send a copy of the Call Completion Customer Receipts, generated at the time of the service call, to the Contract Administration department, 22100 Bothell Everett Hwy, MS 665, Bothell, WA 98021.

EPIQ ultrasound systems specified:

Minimum Percent Uptime          98%

Measurement Period              Annual

(9 hours per day x 5 days x 52 weeks = 2340 hours)

Philips' sole obligations and Customer's exclusive remedy under this uptime guarantee is an extension of the warranty period for 12 weeks.

This uptime guarantee is subject to the following conditions: the EPIQ ultrasound system (a) is to be installed by authorized Philips representatives (or is to be installed in accordance with all Philips installation instructions by personnel trained by Philips), (b) is to be operated exclusively by duly qualified personnel in a safe and reasonable manner in accordance with Philips' written instructions and for the purpose for which the product was intended, (c) is to be maintained in strict compliance with all recommended and scheduled maintenance instructions provided with the product.  Philips' obligations under this uptime guarantee do not apply if downtime results from any of the following: (a) improper or inadequate maintenance or calibration by the Customer or its agents; (b) Customer or third party supplied interfaces, supplies, or software; (c) use or operation of the product other than in accordance with Philips' applicable product specifications and written instructions; (d) abuse, negligence, accident, loss, or damage; (e) improper site preparation; (f) unauthorized maintenance or modifications to the product; or (g) viruses or similar software interference resulting from connection of the product to a network.

| Line # | Part # | Description | Qty |
|---|---|---|---|
| 1 | | **Total Number Xcelera Concurrent User Licenses** | **3** |

The quantity shown for this item indicates the TOTAL number of Xcelera Concurrent User lcenses customer would have, after purchasing additional licenses offered within this proposal.

This total is derived by taking into account any existing concurrent users licenses the customer currently owns, and adding that number to the quantity being offered under a separate line item. For this reason the TOTAL number may be more than the quantity offered herein.

| 2 | | **Xcelera Concurrent User License** | **1** |

An additional concurrent user license provides floating access to interact with a single Xcelera server and access exams. While the quantity of Xcelera clients is uncontrolled, the total number of concurrent user licenses available determines the maximum amount of simultaneous users on the Xcelera system at any moment in time.

Notes
• Requires Xcelera R3.X Core Software.
• Concurrent user licenses for remote users, clinical reporting, analysis, and other functionality must be ordered separately.

| 3 | | **Existing Archive** | **1** |

Customer plans to use an existing archive.

| 4 | | **Advanced Workstation WIN7 Dell** | **1** |

Workstation with optimal configuration for advanced Xcelera viewing applications

Hardware specifications (minimum, equivalent, or better):
• Mini Tower
• 4 GB RAM
• Dual output graphical card
• DVD-ROM drive
• DVD+-RW drive
• Ethernet adapter  10/100/1000 Mbit
• Keyboard and Mouse
• Operating System: MS Windows 7 Ultimate

Note:
Monitors are NOT included

\*\*Not compatible with Windows XP.  For Use with Xcelera 3.2 or later

| 5 | | **LCD HQ COLOR MONITOR (19")** | **2** |

| Line # | Part # | Description | Qty | Each | Price |
|--------|--------|-------------|-----|------|-------|

High quality professional LCD color monitor (19''), providing high brightness, a wide viewing angle and accurate grayscales.

Display matrix: 1280x1024
Brightness: 300 cd/m²
Contrast ratio 1300:1

**6** **Paragon Server** **1**

Imaging software used for server system.

**7** **Paragon Client** **1**

Imaging software used for workstation system.

**8** **Contracts - Onsite PS Hours** **8**

Philips Healthcare applies disciplined project management methodology to delivery of each engagement. Our methodology closely parallels the Project Management Institute's (PMI) worldwide -recognized framework of Initiating, Planning, Executing, Controlling and Closing. The Philips team, led by an experienced project manager, will work with you throughout the duration of the project to deliver the products and services described in this quotation. Team members typically include the following:

- Implementation Specialists - responsible for technical work such as installation and configuration of the system hardware and software
- Application Consultants – responsible working within the clinical environment providing expertise in workflow, application configuration and training
- Integration Engineer – responsible for development and testing of HIS and clinical interfaces

The work effort to implement your solution is based upon the specific configuration that has been defined in the quotation. The Statement of Work (SOW) or Project Scope Document (PSD) describes how the solution will be implemented within your environment.

**9** **Contracts - Remote PS hours** **40**

Philips Healthcare applies disciplined project management methodology to delivery of each engagement. Our methodology closely parallels the Project Management Institute's (PMI) worldwide -recognized framework of Initiating, Planning, Executing, Controlling and Closing. The Philips team, led by an experienced project manager, will work with you throughout the duration of the project to deliver the products and services described in this quotation. Team members typically include the following:

- Implementation Specialists - responsible for technical work such as installation and configuration of the system hardware and software
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- Integration Engineer – responsible for development and testing of HIS and clinical interfaces

The work effort to implement your solution is based upon the specific configuration that has been defined in the quotation. The Statement of Work (SOW) or Project Scope Document (PSD) describes how the solution will be implemented within your environment.