

## TRADE-IN

## SERVICE TRAINING REQUIRED WITH LODGING AND TRAVEL

VAMC KANSAS CITY, MO  
PO# 589-B30014

Line #	Description	Qty
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1	<b>AlluraClarity FD10F</b>	1
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The AlluraClarity FD10 (Floor) single-plane cardiovascular system comprises a ceiling mounted G-arm stand and digital imaging X-ray system for cardiovascular diagnostic and interventional procedures.

ClarityIQ technology is the foundation of AlluraClarity systems touching every part of the imaging system.

ClarityIQ incorporates powerful state-of-the-art image processing technology, developed by Philips research, all working in real-time enabled by the latest computing technology:

- -Noise and artifact reduction, also on moving structures and objects
- Image enhancement and edge sharpening;
  - Automatic real-time patient and accidental table motion correction on live images.
- Flexible digital imaging pipeline
- ClarityIQ systems have a flexible digital imaging pipeline from tube to display that is tailored for each and every application area such as Cardio or Neuro. This gives the flexibility to select virtually unlimited application-specific configurations.
- With ClarityIQ over 500 system parameters are fine-tuned for each application area; the result of years of Philips clinical leadership. It is now possible to filter out more X-ray radiation, use smaller focal spot sizes, shorter pulses, thereby fully utilizing the unique capabilities of the Philips MRC X-ray tube.

The AlluraClarity FD10 system uses an integrated single-host concept. The system is comprised of five functional building blocks: Geometry, X-ray Generation, Image Detection, Viewing, and User Interface. Each functional building block is explained in further detail including accessories.

### GEOMETRY

#### The AlluraClarity FD10 Stand

The floor mounted geometry segment. This component comprises the following features:

- A motorized dedicated cardiovascular floor-mounted Poly-Diagnost G-stand with a rotatable base that allows for a clear area around the patient table. The stand is capable of manual or motorized movement.
- All stand movements are motorized. The manual and motorized parking movement consists of floor-mounted rotation. The counterbalanced Dynamic Flat Detector can be positioned manually and motorized. Angulation and Rotation of the Poly Diagnost G-arm is also motorized at high speeds.
- Parking and longitudinal movement of the Poly Diagnost G stand, can be performed either manually either motorized. The longitudinal movement comprises electronic auto-stop positions, to facilitate positioning in the iso-center with ease and accuracy.
- Single operator control of stand parking or longitudinal positioning. It provides motorized base rotation at 12 degrees/s from +90 to -90 degrees, and motorized longitudinal movement at 15 cm/s over a maximum range of 260 cm.
- The projection angles for the Poly Diagnost G-arm are:
  - Rotation 120 degrees LAO to 120 degrees RAO

- Angulation 45 degrees cranial to 45 degrees caudal
- Motorized stand movements are variable speed with a configurable maximum speed, allowing:
  - Rotation speed up to 25 degrees/s
  - Angulation speed up to 18 degrees/s
- The depth of the Poly Diagnost G arm is 105 cm.
- The stand features BodyGuard capacitive sensing collision avoidance for patient protection.
- The variable source image distance range between the x-ray tube foci and the Dynamic Flat Detector input screen is 86.5 to 123 cm.

## **Patient Support**

### **Xper Table**

- Patient support provided with a flat carbon fiber tabletop
- Tabletop length of 319 cm and tabletop width of 50 cm
- Floating tabletop movement of 120 cm longitudinal and 35 cm transverse
- Motorized height adjustment from 74.5 to 102.5 cm
- Maximum cantilever of 223 cm , for full patient coverage
- Maximum patient weight 250 kg plus 500 N for CPR (or 225 kg plus 1000 N) in any longitudinal position of the table top
- Xper Geometry and Imaging Modules for exam room controls.
  - The operating modules can be attached to either side of the table.

## **Patient Support Accessories**

- Three rail accessory clamps
- Mattress pad
- Translucent catheterization armrest
- IV Pole
- Set of Cable Holders
- Set of Arm Supports (FCV0248)
- Arm Support (FCV0258)
- Patient straps
- Table-mounted radiation shield
- Antifatigue Mat with Philips logo

## **X-RAY GENERATION**

The AlluraClarity FD10 comprises an integrated dedicated X-ray system, micro-processor controlled 100kW generator, based on high frequency converter technology. The user interface control of this X-ray Generator is incorporated into the Xper module, Xper Desktop Console, and the Xper on-screen displays.

The Velara CFD generator comprises:

- Voltage range is 40 - 125 kV.
- Maximum current 1250 mA at 80 kV
- Maximum continuous power for fluoroscopy: 2 kW for 8 hours, 2.4 kW for 0.5 hour.
- Program selection
- Acquisition frame rates 3.75, 7.5, 15, 30 frames per second

- Pulsed fluoroscopy frame rates 3.75, 7.5, 15, 30 frames per second.
- Minimum exposure time of 1 ms.
- Automatic kV and mA control for optimal image quality prior to run to safe dose
- An X-ray collimator with single semi-transparent wedged filter with manual and automatic positioning.
- SpectraBeam filtering of low energy radiation to optimize image quality and dose efficiency with the MRC-GS 0508 X-ray tube.
- Xper Beam Shaping, which means that, both shutters and wedges can be positioned on the Last Image Hold without the need for X-ray radiation.

#### Fluoroscopy

- Three programmable fluoroscopy modes can be selected from the Xper Imaging T.S.O. Each mode has a different composition of dose rate, pulse speed, filter setting, and image processing (noise reduction, adaptive contour enhancement, and adaptive harmonization).
- Xper Fluoro Storage, a grab function allows storage and archiving of a single fluoro frame or the last 20 seconds of fluoroscopy. These images or runs can be archived as a regular run.

#### X-ray Tube

The AlluraClarity FD10 includes a Maximus ROTALIX Ceramic tube assembly MRC-GS 05 08 and cooling unit CU 3101 for cardio-vascular systems. Comprising:

- 0.5/0.8 mm nominal focal spot values maximal 45 and 85 kW

#### IMAGE DETECTION

The AlluraClarity FD10 comprises the following image detection chain:

- A 25 cm (10 in.) diagonal triple-mode Dynamic Flat Detector. It comprises a 6"/8"/10" triple mode Dynamic Flat Detector
- The outer detector box diameter is 37 cm diagonal square
- The digital output of the Flat detector is a 1024 x 1024 matrix at 14 bit depth and the detector pixel pitch is 184 micron by 184 micron
- The DQE (0) is 75% providing high conversion of X-ray into a digital image, while maintaining a high MTF.

#### VIEWING

The AlluraClarity FD10 comprises the following components in order to display the clinical images in the control and examination rooms:

#### Displays

##### Examination Room

Two 18-inch monochrome LCD monitors

- 18-inch monochrome TFT-LCD display
- Native format 1280x1024 SXGA
- 10-bit gray-scale resolution with gray-scale correction

These monitors are not delivered when FlexVision XL, EP Cockpit or EP Cockpit XL is selected.

The monitor ceiling suspension in the exam room can be configured to accommodate 3, 4, 6, or 8 LCD monitors and includes motorized height adjustment. The height adjust feature is dependent

on the room ceiling height. When FlexVision XL, EP Cockpit or EP Cockpit XL is selected the monitor ceiling suspension is configured for one of those options.

- The first reference channel is for the display of reference images or runs, controlled by infra-red remote-control Xper Viewpad.
- The On-Screen Display provides status information on stand rotation, angulation, display of system messages, X-ray tube load status, selected fluoroscopy mode, selected detector Field of View, and both the rate and accumulation of the dose area product and skin dose.

### **Control Room**

One 19-inch color LCD monitor

- 19-inch color TFT-LCD display

### **Control Room**

One 18-inch monochrome LCD monitor

- 18-inch monochrome TFT-LCD display
- Native format 1280x1024 SXGA
- 10-bit gray-scale resolution with gray-scale correction

These control room monitors are not delivered when EP Cockpit or EP Cockpit XL is selected.

### **Acquisition**

The acquisition segment coordinates the parameters for automatic exposure control. The program is selected via the Xper module or Xper Desktop Console.

This AlluraClarity offers a storage capacity of:

- 100,000 images at matrix size of 1024 x 1024, 10-bit
- Maximum number of examinations is 999, with no limit to the maximum number of images per examination

### **Xres Image Processing and SPIRIT**

- Xres is a multi-resolution spatial temporal noise reduction and edge enhancement filter. It exploits the full benefits of the digital detector to enhance sharpness and contrast and to reduce noise in the clinical images. The settings for both Xres and SPIRIT can be customized with regard to the image quality.
- SPIRIT harmonizes the background of clinical image to provide excellent visualization of coronary arteries projected in complex projections, such as arteries projected over the diaphragm or spine.

### **USER INTERFACE**

Xper is comprised of three elements: 1) Xper Settings, which customizes the system to each user preferred settings; 2) Xper User Interface 3) Xper Integration, which makes advanced integration functionality available such as DICOM Query / Retrieve, background archiving, and Xper Fluoro Storage.

The Xper User Interface comprises a range of User Interface modules in the Examination Room, including On-Screen Display.

### **On-Screen Display**

- X-ray indicator and X-ray tube temperature condition
- Gantry position in rotation and angulation and Source Image Distance
- Detector field size display
- Selected Frame speed
- Fluoroscopy mode
- Integrated fluoroscopy time
- Stopwatch
- Skin Dose: dose rate with X-ray, cumulated dose with no X-ray
- Dose Area Product: dose rate with X-ray, cumulated dose with no X-ray
- Graphical bars for indication of Body Zone specific dose rate and accumulated skin dose levels, related to the 2 Gy level

### **Remote Intercom**

A separate intercom, which is connected independently from the system that allows separate placement of the intercom at the preferred working position in the control room and examination room.

### **Xper ViewPads**

The Xper ViewPad contains the preprogrammed function settings. The system is provided with two Xper ViewPads. The following functions are provided:

- Run and image selection
- File and run cycle
- File overview
- Store to Reference image file
- Copy image to photo file
- Digital (fixed) zoom and panning
- Recall reference images, which means switching control of Xper ViewPad function from live to reference monitor
- Laser pointer, intended to point at regions of interest on the imaging monitors
- LED indication of laser pointer on/off and battery low

### **Tableside Modules**

One Xper Module is provided for use at either the tableside or in the control room. This module uses a touch screen, which can be operated when draped with sterile covers. The Xper Module contains the following functionality:

- Acquisition settings
- Selection of Xper Setting allows the user to set frame rates and x-ray generation settings applicable for the type of the preferred intervention
- Automatic positioning recall to allow the stand position to match the reference image.
- Image Processing

The Xper Geometry T.S.O. module can be positioned on all sides of the patient table, while keeping the button operation intuitive. The Xper Geometry T.S.O. provides the following functionality:

- Tabletop float and table height position
  - Source Image Distance selection
  - longitudinal movement of the Gantry along the ceiling
  - Gantry rotation in an axis perpendicular to the ceiling
-

- Store and recall of two scratch gantry positions including SID
- Emergency stop button

The Xper Imaging T.S.O. module can also be positioned at three sides of the patient table, while keeping the button operation intuitive. The Xper Imaging T.S.O. provides the following functionality:

- Fluoroscopy Flavor selection defined per Xper Setting
- Shutters and Wedge positioning
- Xper Fluoro Storage and Grab
- Selection of the Detector field size
- Shutters positioning
- Reset of the fluoroscopy buzzer

### **Pan Handle (NCVA081)**

The Pan Handle is an extension of the control facility for floating movements of the table top.

### **Control Room**

The control room comprises an Xper Review Module, a keyboard, a mouse. The Xper Review Module offers the basic functions for review. The Xper Review Module contains the following functionality:

- Power on/off
- Tagarno wheel to control the review of a patient file
- File and run cycle
- Contrast, Brightness, and Edge enhancement settings
- File, Run, Image stepping and run and file overview
- Delete run
- Image invert and digital zoom
- Reset fluoroscopy timer and enable/disable X-ray

System information is displayed on the bottom of the data monitor:

- Stopwatch and Time
- System guidance information
- Dose Area Product (DAP), Skin Dose, and accumulative dose
- Frame speed settings, fluoroscopy mode, and accumulated fluoroscopy time
- Exposure and fluoroscopy settings as Voltage (kV), Current (mA) and pulse time (ms)
- Geometry information as rotation, angulation, and SID

The workflow is divided in scheduling, preparation, acquisition, review, and archive.

### **Scheduling**

The patients can be added, listed and selected per date, physician, and intervention type. Previous DICOM patient studies can be uploaded with the DICOM Query Retrieve function.

Patient management protocols are flexible and allow for multiple studies to be selected under one patient identification number. This means that new studies can be appended to an earlier patient file. Furthermore, each study can contain multiple examinations to allow for split administrative purposes. Each examination contains multiple files, i.e. acquisition file, reference file, and QA results file.

### **Preparation**

The preparation page provides the information of the room and patient preparation of each individual physician. The preparation page is customizable per Xper Setting and allows each physician to provide his or her own room protocols.

### **Acquisition**

The acquisition page contains information on the current selected patient.

### **Review**

The review page allows for reviewing of patient's:

- Previous examination cases
- Review of other DICOM XA or DICOM SC studies.

### **Radiation Dose Structured Report**

Collection of dose relevant parameters and settings and export to a DICOM database (e.g. PACS, RIS), according IEC60601-2-43, 2nd Edition.

The reported data can be used for, for example:

- Quality improvement: evaluating trends in X-ray dose performance per facility, system and operator.
- RDSR enables analysis of average dose levels & variance for routinely performed exams and procedures.
- Typical system usage can be extracted from the data.

### **Archive**

#### **Continuous Autopush (NCVA090)**

Continuous Autopush is an archive accelerator which ensures that background archiving continues with minimal disruptions.

Clinical studies can be archived to a CD or a PACS. The archive process can be completely automated and customized with Xper Settings. Parameters like multiple destinations and archive formats can be selected to the individual needs.

The Xper DICOM Image Interface enables the export of clinical images to PACS. The export formats are based on DICOM 3.0 protocols. The system exports clinical studies in Cardiac DICOM XA Multi-Frame or DICOM Secondary Capture formats.

- The export format is configurable in 512x512 or 1024x1024.
- The examination can be sent to multiple destinations for archiving and reviewing purposes.
- The Xper DICOM Image Interface provides DICOM Storage and DICOM Storage Commitment Services.
- The DICOM Query/Retrieve function allows older DICOM XA MF and DICOM SC studies to be uploaded in the system. Furthermore, additional information can be appended to a study, while keeping the patient identification the same.

### **Clinical Education Program for Allura Systems**

**Essentials OffSite Education:** Philips will provide up to two (2) Cardiovascular Technologists, Registered Technologists Registered Nurses, or other system operator as selected by customer, with in-depth didactic, tutorial, and hands-on training covering basic functionality and work-flow of the cardiovascular imaging system. In order to provide trainees with the ability to apply all fundamental functioning on their system, and to achieve maximum effectiveness, this class should be attended no earlier than two weeks prior to system installation.

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**In the event that an EP Navigator workstation has also been ordered, the offsite training course will be tailored to focus on the electrophysiology functionality of the FD system and the EPN workstation.**

**In the event that your main FD system will be dedicated to Cardiac applications your offsite training course will be tailored to focus on the Cardiac functionality.**

This twenty-eight (28) hour class is located in Cleveland, Ohio, and is scheduled based on your equipment configuration and availability. Due to program updates, the number of class hours is subject to change without notice. Customer will be notified of current, total class hours at the time of registration. This class is a prerequisite to your equipment handover OnSite Education. CEU credits may be available for each participant that meets the guidelines provided by Philips. Please refer to guidelines for more information. **Travel and lodging are not included, but may be purchased through Philips. It is highly recommended that 989801292102 (CV Full Travel Pkg OffSite) is purchased with all OffSite courses.**

**Handover OnSite Education:** Philips Education Specialists will provide twenty-eight (28) hours of education for up to four (4) students, selected by customer, including technologists from night/weekend shifts if necessary. Students should attend all 28 hours, and must include the two OffSite education attendees. CEU credits may be available for each participant that meets the guidelines provided by Philips. Please refer to guidelines for more information. Note: Site must be patient-ready. Philips personnel are not responsible for actual patient contact or operation of equipment during education sessions except to demonstrate proper equipment operation. **It is highly recommended for systems that are fully loaded or for customers with a large number of staff members to also purchase 989801292099 (CV Add OnSite Clin Educ 24h).**

Education expires one (1) year from equipment installation date (or purchase date if sold separately). Ref# 106107-110915

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### MultiVision 4x 1

1

MultiVision is the integrated video switch for high quality Progressive Display video sources. It can switch either B&W (RGB based) or color signals, with up to 4 inputs to one output.

MultiVision allows to share a Reference Display- or extra color monitor in the ceiling suspension in the exam room between the Xray system and other sources, such as a Xcelera viewstation, an Ultrasound system, a Interventional Tools station (like StentBoost, 3D CA) etc. These sources can be

allocated in the exam room or in the control room of the cath lab.

The switch is controlled by a button on the Xper Module. MultiVision provides a black image when a not operational input is selected.

Each external video source requires a Wall Connection box (not included in the MultiVision package) for the connection to a MultiVision input: only the Xper 2nd Ref Display as possible source does not require such box. The wall connection box also provides 230 V Power Supply for the connected video sources; however, in total maximum 1400 W can be supplied to the sources all together.

Comprising:

- video switch unit with cabling for max 4 B&W- or Color sources
- soft key button implemented on the Xper Module

Compatible with:

- Allura Xper series Rel 3 (monoplane versions) resp Rel2 (biplane versions) onwards.
- external video sources that comply with following requirements:
  - qualified medical electrical equipment [IEC 60601-1], or IEC 950 equipment combined with a multiple socket outlet [IEC 60601-1]



- can be connected to the same earth as the Philips Protective Conductor Bar (PPCB).
- provide video-output that matches the display range of the XB monitor or Colour

Monitor that is used for display

- provide a slave monitor output

Power requirements: refer to system configuration

**3**

### **Isolated Wall Connection Box**

**4**

Isolated Wall Connection Box

This Isolated Wall connection Box facilitates connection of the video source via standard DVI cable/connector and lossless transfer of the video signal over the approximate 30 m cable distance. It can be mounted in the exam room or in the control room, depending on the location of the video source.

The quantity of the VWCB's has to be calculated as follows:

For each video signal via MultiVision: 1 VWCB (max = 4)

For each video signal to FlexVision XL on Cardio System: 1 VWCB (max = 9)

For each video signal to FlexVision XL on Vascular System: 1 VWCB (max = 8)

For each 3rd party video signal directly connected to an LCD in the MCS: 1x VWCB.

Note:

No VWCB is required in case a video signal is connected directly to a dedicated LCD from the following sources:

1) Xper Live/ref Slaving

2) Interventional HW (XtraVision), ViewForum, Xcelera (only if workstations are powered by Allura Xper)

3) Xper IM

**4**

### **Xper Live/Ref Slaving**

**1**

Xper Live/Ref Slaving

The Xper Live/Ref Slaving will enable the option to slave the Live or Ref video source from the Allura Xper. The total amount of

Xper Live/Ref Slaving that can be selected is max 4.

Xper Live/Ref Slaving is possible:

- In Control Room icw FCV0011(B/W monitor in Control Room)
- In Philips MCS (additional monitor excluded from this option)
- Icw FCV0519 1 or 2 MCS from Skytron/Steris

**5**

### **Legacy Video Convertor**

**2**

Legacy Video Convertor

The Legacy Video Convertor enables conversion from VGA towards DVI.

The Legacy Video Convertor enables conversion from VGA towards DVI for supported input resolutions,

as listed in the table below.

Signal type Native resolution Image Aspect Ratio

VGA 640x480 4:3

SVGA 800x600 4:3

XGA 1024x768 4:3

SXGA 1280x1024 5:4

SXGA+ 1400x1050 4:3

UXGA 1600x1200 4:3  
WXGA 1280x800 16:10 (8:5)  
WSXGA 1440x900 16:10 (8:5)  
WSXGA+ 1680x1050 16:10 (8:5)  
WUXGA 1920x1200 16:10 (8:5)  
2K 2048x1080 19:10  
TV1080I/P 1920x1080 16:9  
TV 480I 720x480 4:3  
TV 480P 704x480 4:3  
TV 576I 720x576 4:3  
TV 576P 704x576 4:3  
TV 720P 1280x720 16:9

## 6

### RIS / CIS DICOM interface

## 1

This package allows communication of the Allura Xper system with a local information system (CIS or RIS). The interface uses the DICOM Worklist Management (DICOM WLM) and Modality Performed Procedure Step (DICOM MPPS) standards.

If a hospital has an Allura Xper system and an information system it can receive patient and examination request information from the information system and report examination results in order to:

- Eliminate the need for retyping patient information on the Allura Xper
- Prevent errors in typing patient names and registration numbers (ensuring consistency with IS information to prevent problems in archive clusters or to search for a name in case of later retrieval)
- Inform the IS about the acquired images and radiation dose

Upon request from the Allura Xper system the complete worklist with all relevant patient and examination data is returned from the IS to the Allura Xper system. For each patient the following information will be shown on the Allura Xper after it has been retrieved from the IS:

Patient Identification:

- Patient name
- Patient ID
- Birth date
- Sex

Examination/Request Information:

- Accession number
- Scheduled procedure step start time
- Scheduled performing physician's name

It is possible at all times to enter patient demographics information manually within the Allura Xper system in case of an emergency or in case the local Information System connection is down.

On request of the clinical user the Allura Xper will report the following information about the selected patient to the IS:

Patient Identification:

- Patient name
  - Patient ID
  - Birth date
-

- Sex

Examination/Request Information:

- Accession number
- Performed procedure step status start/end date and time
- Performing physician's name
- Referenced image sequence

Radiation dose:

- Total time of fluoroscopy
- Accumulated fluoroscopy dose
- Accumulated exposure dose
- Total dose
- Total number of exposures
- Total number of frames

Further detailed information can be found in the Allura Xper DICOM Conformance Statement.

The interface requires an EasyLink (hardware and software) if the IS is not compliant with DICOM Work List Management and Modality Performed Procedure Step.

**7**

### **Lab Reporting**

**1**

Lab Reporting allows the user to generate and print simple reports in modality stand-alone situations. The user is able to incorporate free text and clinical images. The reporting functionality is suited for local printing and email. Part of the report is generated automatically from administrative data (e.g. patient/exam data hospital name) and required data (e.g. run-log dose information and event-log).

**8**

### **Rotational Scan**

**1**

Rotational Scan provides real-time 3D impressions of complex vasculature and the coronary artery tree. It acquires multiple projections with just one contrast injection.

Rotational Scan can be used during screening procedures to quickly determine the optimal projection for the study as the angle (rotation/angulation) of the projection is indicated on each image.

Compared with traditional angiography Rotational Scan can save considerable time dose and contrast while providing image detail required for diagnostic and therapeutic decisions.

Rotational Scan is possible with the Allura Xper systems in the side position (ceiling mounted systems) and in the head position which provides the flexibility to perform procedures virtually from head to toe.

With Allura Xper FD20

C-arm in side position:

- Max. rotation speed: 30°
- Max. rotation angle: 180°

C-arm in head position:

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- Max. rotation Speed: 55°
- Max. rotation Angle: 305°

With Allura Xper FD10:

Poly G in side position (ceiling version):

- Max. rotation Speed: 30°
- Max. rotation Angle: 90°

Poly G in head position:

- Max. rotation Speed: 55°
- Max. rotation Angle: 240°

Maximum speeds are given by the framespeed specifications of the system configuration.

The speed and range of rotation are the highest available (see table). The very high speed allows using less contrast whereas the very wide rotation range provides a complete evaluation of the anatomy.

The stand is designed for very high mechanical stability. It offers precise positioning and high reproducibility assuring you of high quality images and excellent studies.

Operation of Rotational Scan is extremely easy. The procedure is selected set up and executed virtually within a matter of seconds supporting the highest patient throughput. A set of dedicated acquisition programs is available on the Xper Module and can be selected at the touch of a button. The rotation end and start positions are easily selected. The procedure is controlled from the exposure hand

- or foot-switch.

XperSwing allows dual-axis rotational coronary angiography to gather more information in less time and with less X-ray and contrast dose. XperSwing acquires simultaneous RAO/LAO cranial-caudal views in just one acquisition run by moving the C-arm in a curved trajectory instead of multiple acquisitions. XperSwing can be used during screening procedures to quickly determine the optimal projection for the study as the angle (rotation/angulation) of the projection is indicated on each image, providing image detail required for diagnostic and therapeutic decisions and to obtain a real-time 3D impression of the coronary artery tree.

In total seven pre-programmed trajectories are available:

- Three for Left coronary imaging
- Two for Right Coronary imaging,
- Two generic trajectories.

The choice depends on size and weight of the patient. These trajectories are designed to fully cover all conventional projections for a diagnostic coronary angiography. Rotation and angulation movements are combined in one complete scan trajectory, using the maximum rotation and

angulation speed of the Allura Xper system. (55 resp 30 degr/sec). XperSwing is possible in the side position (ceiling mounted systems) and in the head position

XperSwing functionality includes, but is not limited to

- 15 frames per seconds acquisition to allows using of less contrast.
- Wide rotation range provides a complete evaluation of the anatomy.
- Precise positioning and high reproducibility, assuring you of high quality images and excellent subtraction studies.
- Set up and executed in a matter of seconds.
- Set of dedicated acquisition programs with the trajectories available on the Xper Module
- The rotation end- and start-positions can be selected.
- Acquisition procedure is controlled from the exposure hand or footswitch.

**10**

### **Digital subtracted Angio**

**1**

The DSA-option allows to extend the application functions with additional vascular studies. DSA features real-time digital subtraction at low frame speeds of 0.5, 1, 2, 3, or 6 frames per second. The DSA prgrams can be selected per Xper Settings.

It offers exposure technique for uncompromised image quality of subtracted images.

In addition, this option also allows subtraction on run basis (run-subtract), which can be applied in the Rotational Scan and Bolus Chase Subtract options

This function will comprise following functionality:

- Fluoro-Trace
- Fluoro-Subtract
- Exposure subtract on individual image or run basis
- Mask selection
- Landmarking
- Pixel shift

Compatible with:

. Allura Xper FD10 Rel 3 onwards

. Allura Xper FD10/10 Rel 2 onwards

**11**

### **FD SmartMask**

**1**

SmartMask simplifies roadmapping procedures by overlaying a selected reference image with fluoroscopy on the live monitor in the exam room.

The reference image can be faded in/out with variable intensity, controlled from tableside.

SmartMask uses the reference image displayed on the reference monitor.

Any previously acquired image can be used as reference.

SmartMask facilitates pre- and post- intervention comparisons to assess treatment results

**12**

### **FULL AUTOCAL**

**1**

The AutoCal option is a software package to be used in conjunction with quantitative analysis software packages. It provides an auto calibration procedure for an object to be analyzed that is placed in the iso-center. When the object to be analyzed (e.g. Left Ventricle Vessel Segment) is placed in the iso-center AutoCal avoids the need to:

- acquire an additional image series containing a sphere or grid for calibration purposes
- calibrate manually on a calibration object (e.g. catheter) displayed in the image or image series to be analyzed

13	<b>Ventricular Quant.Sw pkg(Xper)</b>	1
Left Ventricular Quantification Software Package. Software package for the analysis of single plane Left ventricular angiograms. Calculates the Ejection fraction and local wall motion parameters in different formats.		
Functions:		
<ul style="list-style-type: none"> <li>• Various LV-volumes</li> <li>• Ejection Fraction</li> <li>• Cardiac Output</li> <li>• Centerline Wall Motion</li> <li>• Slager Wall Motion</li> <li>• Regional Wall Motion</li> <li>• Calibration routines</li> </ul>		
In addition the package allows manual measurements of line lengths (absolute and ratio's) and angulations. Multiple measurements in one image are possible.		
Comprising:		
<ul style="list-style-type: none"> <li>• software license</li> </ul>		
Compatible with:		
. Allura Xper FD 10 Rel 3 and FD10/10 Rel 2 onwards . Allura Xper FD20 Rel 2, FD20/10 Rel 2 onwards		
14	<b>Coronary Quant.Sw pkg(Xper)</b>	1
Functions:		
<ul style="list-style-type: none"> <li>• diameter measurement along the selected segment</li> <li>• cross sectional area</li> <li>• %-stenosis</li> <li>• pressure gradient values</li> <li>• stenotic flow reserve</li> <li>• calibration routines</li> </ul>		
In addition the package allows manual measurements of line lengths (absolute and ratio's) and angulations. Multiple measurements in one image are possible.		
Comprising:		
<ul style="list-style-type: none"> <li>• software license</li> </ul>		
Compatible with:		
. Allura Xper FD 10 Rel 3 and FD10/10 Rel 2 onwards . Allura Xper FD20 Rel 2, FD20/10 Rel 2 onwards		
15	<b>Vascular Quant.Sw pkg(Xper)</b>	1

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Functions:

- vessel diameter / stenotic index
- automated vessel analysis
- calibration routines

In addition the package allows manual measurements of line lengths (absolute and ratio's) and angulations. Multiple measurements in one image are possible.

Compatible with:

- Allura Xper FD10 Rel 3 and FD10/10 Rel 2 onwards
- Allura Xper FD20 Rel 2 and FD20/10 Rel 2 onwards
- Allura CV20 R1 onwards

- 16** **Xcelera on Xper Module** **1**
- This option integrates the Xcelera network application in the Allura Xper system. It allows operation of the Xcelera viewer with the Xper module in the examination room during an examination. Display of Xcelera imaging in the examination room has to be arranged for the monitor ceiling suspension with an additional monitor or with MultiVision (sharing an existing monitor). Following Xcelera viewing functions are available on the Xper module:
- study selection
  - replay control (start/stop/autocycle, run step, image step)
  - Report selection (with page step, close report)
  - image settings (adjust Contrast, Brightness, Edge enhancement) and reset to original settings

- 17** **Xper PM5 on XperModule** **1**
- This option integrates Xper PM5 with the Allura Xper system. It allows the physician and procedure staff to perform a complete hemodynamic study from tableside on the Allura Xper module. The "Hemo" menu will contain a subset of the Xper PM5 features. The Allura Xper module interface acts as a remote control to the Xper PM5 system. Changes selected on the Allura Xper module will be displayed on the Xper PM5 system, all functionality for the selected functions are controlled within the Xper IM application.

Following functions are available from the Allura Xper Module:

- SNAP (Auto record)
- Obtain/Capture and store hemodynamic waveforms and ECG's
- Cardiac Output measurements
- Monitor scale and sweep speed
- NIBP measurement

- 18** **19" Color LCD monitor in Exam Room** **2**

19" Color LCD monitor in Exam Room  
 19" flat panel color monitor. This LCD monitor is intended for viewing in the examination room and is designed for medical applications.

The main characteristics are:

- 19 inch Color TFT-LCD display
- Native format 1280x1024 SXGA
- Wide viewing angle (approx 170 degr)
- operated Brightness level 200 Cd/m2
- On Screen Display of control functions operated via touch buttons on front
- Internal power supply (90-264 VAC)

Compatible with:

Standard PC format (RGBHV)

DVI interface standard

UL60601-1

Allura Cardio/Vascular systems

Mains connection: 110 - 240 V

Dimensions : 425(W)x375(H)x97(D) mm

Weight: 7 kg.

Colour: mushroom, front ultra dark grey

<b>19</b>	<b>Two rows of 2 (4M)</b>	<b>1</b>
<b>20</b>	<b>Rad Shield w/ Arm (Contoured) 61X76</b>	<b>1</b>
	Contoured Rad Shield with Arm rest. 61X76	
<b>21</b>	<b>Cable Spooler</b>	<b>2</b>
<b>22</b>	<b>M LED 3MC Light</b>	<b>1</b>
	MAVIG M3 MC LED - Multi Color / power Supply Included Includes Portegra2 Ext Spring Arm 75/90cm	
<b>23</b>	<b>Exam Lamp 220v</b>	<b>1</b>
	Spring arm mounted examination light for cardiovascular applications	
<b>24</b>	<b>Portegra 2 360 Ceiling Column</b>	<b>2</b>
	Portegra 2 360 Column w/ trolley and ceiling track	
<b>25</b>	<b>Universal Power Supply</b>	<b>1</b>
	50 kVA 2 Room Fluoro UPS	



Line #	Description	Qty
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1	<b>Workflow,Cath Lab</b>	1
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This consulting service is designed to analyze and document a customer's current departmental workflow, and then identify ways to optimize that workflow through the use of Xcelera. Refer to Statement of Work for additional detail.

2	<b>Xcelera R3.X Core Software</b>	1
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Xcelera is a robust multimodality cardiology image management, analysis and reporting solution that provides patient centric access to cardiology data and examinations. The system is highly configurable, scalable and customizable with the potential, via optionally available software licenses, to support cardiovascular X-ray, ultrasound, nuclear medicine, computed tomography, magnetic resonance, and electrophysiology examination types. Furthermore, optional software is available for Xcelera to retrieve electrocardiograms from certain ECG management systems. Xcelera performs the necessary functions for exam storage and review. Xcelera additionally offers various analysis and quantification packages, clinical reporting and archiving features as optional functionality.

DICOM exams can be stored and displayed as defined in the Xcelera DICOM Conformance Statement. Xcelera supports standard DICOM functionality, including: importing exams from DICOM image acquisition devices, DICOM Query/Retrieve and DICOM Forward. Xcelera can also export exams to other systems using FTP or DICOM Store SCU protocols. In addition, Xcelera supports DICOM SR that meets the DICOM standard structure\*, from any ultrasound modality (also supports legacy mappings for Philips systems: iE33, iU22, HD15, and CX50, as well as from the Siemens Sequoia (rev. 12.1) and GE Vivid I and Vivid 7 (rev 4)). Xcelera also supports DSR-TIFF ultrasound exams imported from certain Philips legacy ultrasound systems.

Xcelera employs open architecture and industry standards-based design and is prepared for future growth. It will provide ready access and availability to past and present exams as well as final reports (if configured) as needed. The Xcelera system is fully scalable from a simple DICOM exam recorder to a single workspace configuration up to a multi-site client/server cardiology workflow solution.

In addition to streamlining workflow in the cardiology department, advanced investigation of stored discrete data can be performed on Xcelera's database views.

This article number further includes:

- The core Xcelera application.
- A single concurrent user viewing 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.
- Cardiac X-ray viewing application (also used for generic viewing of other exam types).
- Cardiovascular ultrasound viewing application.
- CT and MR viewing application (powered by ViewForum), if ordered separately.

NOTE: Use of the Xcelera CT and MR viewer requires Premium-grade client hardware.

- DICOM archive connectivity, which provides the ability for Xcelera to automatically store image studies on an external DICOM archive, such as a radiology PACS system. The DICOM archive connectivity feature transparently performs store, query, retrieve, and pre-fetch operations using

the DICOM Store and DICOM Query/Retrieve protocols. To function, the external DICOM archive must support DICOM Storage Commit that sends Xcelera a verification message that the image studies have been received successfully. Additional services costs are required to configure DICOM archive connectivity.

NOTE: DSR-TIFF image studies will be converted to DICOM format before being forwarded to the external DICOM archive. Due to limitations of the DSR-TIFF format, image studies that are acquired as DSR-TIFF but archived as DICOM will lose color suppression and 3D ultrasound volumes when retrieved from the external DICOM archive. Measurements that were performed on the DSR-TIFF image studies will still be present on the DICOM version of the images following retrieval from the archive. Measurements will also be available via clinical reports stored in the Xcelera database. There may be other limitations when utilizing an external DICOM archive.

- One Xcelera R3.X documentation and media kit.

**NOTE:**

Concurrent user licenses for remote users, clinical reporting, analysis, and other functionality must be ordered separately.

For optimal image quality, Philips strongly recommends using the Barco MDRC-1119 and MDRC-2120 medical grade displays with all Xcelera cardiology workspaces.

The Barco MDRC-1119 (standard 19-inch size) and MDRC-2120 (optional 21-inch size for use with EP applications) medical grade displays offer high brightness, a wide viewing angle and excellent grayscale reproduction.

**Compatibility**

For the latest DICOM interoperability information, refer to the Xcelera DICOM Conformance Statement at [www.philips.com](http://www.philips.com).

\* for the following TID 5200 --- Adult Echo cardiology Procedure Report

TID 5100 --- Vascular Ultrasound Report

TID 995300 --- Philips Pediatric Ultrasound Report

TID 5220 --- Pediatric, Fetal and Congenital Cardiac Ultrasound Report

**3**

**Xcelera Concurrent User  
License**

**3**

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.

**4**

**Xcelera Test Server Software  
License**

**1**

The Xcelera Test Server software license provides a duplicate server license key so that an isolated test environment can be staged.

The Xcelera Test Server License can be utilized by hospital IT personnel for acceptance testing, pre-testing of software patches and upgrades in the local network environment, workflow analysis, and interface verification purposes. However, the license cannot be applied to clinical practice.

#### Notes

- Requires Xcelera R3.X Core Software.
- Server hardware must be supplied separately.

5

### **Xcelera Connect Core Software**

1

The Xcelera Connect Core software facilitates bidirectional communication between Xcelera and HL7 compliant information systems (HIS/CIS) and DICOM compliant imaging modalities and information systems.

Core functionality includes licenses for configuring inbound ADT/Orders and outbound unformatted results to facilitate incoming communication of patient demographics and procedure/order information to Xcelera and outgoing unformatted (ultrasound) clinical exam results data from Xcelera to an external information system or clinical repository.

Xcelera Connect can be further extended with optional licenses to collaborate in an integrated healthcare enterprise environment, including:

- Formatted Echo Results option to forward finalized echocardiography clinical reports to certain EMR, CIS and other central repository systems
- Multiple HIS/CIS interface option to support up to four simultaneous connections to hospital information systems and clinical information systems
- DICOM MWL (Modality Work-List) option to forward scheduled orders to certain compatible imaging modalities
- DICOM MPPS (Modality Perform Procedure Step) option to exchange demographics and procedural information with certain compatible imaging modalities
- Xper IM option to provide bidirectional data exchange with the Philips Xper IM cath lab management system, including utilizing Xcelera from the Xper IM application to review multimodality patient exams inside the cath lab and storing cath lab procedural documentation on the Xcelera server for access across the enterprise
- Biosense Webster Carto option to provide connectivity with Biosense Webster's Carto electrophysiology mapping system
- ECG Management option to provide access to electrocardiograms from certain ECG management systems from Xcelera, including Philips TraceMasterVue and GE MUSE

#### Compatibility

For the latest DICOM interoperability information, refer to the Xcelera DICOM Conformance Statement at [www.philips.com](http://www.philips.com).

6

### **DICOM MWL Interface License**

2

Xcelera DICOM Modality Work-List Management Single Interface License

The single Xcelera DICOM Modality Work-List (MWL) Management interface license provides fixed connectivity between one modality that support the DICOM MWL standard and a single Xcelera server.

The interface facilitates forwarding procedure orders from a HIS/CIS to a DICOM MWL compliant modality via HL7 order messages. The specific data fields that can be imported are described in the Xcelera DICOM Modality Work-List specification document. This option requires a hospital order entry system capable of sending orders messages.

#### Customer Responsibilities

The customer is responsible to ensure that each modality intended to be supported are licensed and enabled for DICOM MWL protocol. A dedicated project resource(s) with extensive knowledge of the order entry system, HL7 protocol, DICOM MWL protocol, and the authority to represent the clinical reporting needs and requirements of the organization and the clinical end-user should be designated as a primary point-of-contact during implementation.

#### Implementation

The DICOM MWL option is considered installed when Philips verifies the Xcelera DICOM MWL Management application can successfully process orders messages that conform to Philips specifications and provides access for the DICOM modalities to successfully query for the modality work-list.

#### Notes

- Requires Xcelera Connect Core
- Requires a hospital order entry system capable of sending HL7 orders messages
- Requires modalities capable of supporting DICOM MWL
- Detailed information on the MWL and the supported work-list (query) parameters are described in the Xcelera DICOM Modality Work-List specification document

#### Compatibility

- For the latest DICOM interoperability information, refer to the Xcelera DICOM Conformance Statement at [www.philips.com](http://www.philips.com).

### 7 Integrated Cath Lab, Xcelera 1

Xcelera will be configured with Xper IM in an Integrated Cath Lab configuration. The main objective of this connected solution is to provide a unique cath lab experience that provides seamless interaction between hemodynamic monitoring, cath lab reporting and multimodality image access, viewing and storage.

### 8 Xcelera Connect Test Server Software License 1

The Xcelera Connect Test Server software license provides a duplicate server license key for Xcelera Connect and purchased optional functionality so that an isolated test environment can be staged. The Test Server License can be utilized by hospital IT personnel for acceptance testing, pre-testing of software patches and upgrades in the local network environment, workflow analysis, and interface verification purposes. However, the license cannot be applied to clinical practice.

#### Notes:

Requires Xcelera Core Software  
Requires Xcelera Connect Core  
Server hardware must be supplied separately.  
Compatible with W2003/SQL2005 only

### 9 Member Server 1

The Xcelera Server is a Member Server on the Domain.

### 10 Server Rack Dell 1

## Server with basic configuration for Xcelera network solutions

Hardware specifications (minimum, equivalent, or better):

- Rack chassis
- Dual Intel Xeon CPU
- 8 GB RAM
- DVDRW
- 2x 300GB SAS Harddisk (RAID-1)
- 4x Ethernet adapter 10/100/1000 Mbit
- Keyboard and Mouse
- Operating System: MS Windows 2008 Server
- SQL 2008 database software (Client access licenses need to be ordered separately)

### Note

- A LCD Monitor can be ordered separately

- |           |   |          |
|-----------|---|----------|
| <b>11</b> | <b>External RAID 4.0 TB Dell</b>  | <b>1</b> |
|           | <p>Additional external RAID Rack cabinet with 15x450 GB RAID disks, providing 4.8 TB external RAID storage. RAID controller included.<br/>Cabinet is fully loaded with disks.</p>   |          |
| <b>12</b> | <b>Xcelera Connect Server HW,<br/>Dell Rack</b>   | <b>1</b> |
|           | <p>Hardware specifications (minimum, equivalent, or better):</p> <ul style="list-style-type: none"><li>- Rack chassis</li><li>- Intel Quad core Xeon CPU</li><li>- 4 GB RAM</li><li>- CD/DVD-ROM combo drive</li><li>- RAID Controller</li><li>- 3 x 146GB SAS Hard disk (RAID-5)</li><li>- Dual Ethernet adapter 10/100/1000 Mbit</li><li>- DDS-4 DAT internal tape drive unit</li><li>- 2 Button/Wheel optical mouse</li><li>- 3.5" FDD</li><li>- USB Keyboard</li><li>- 19" LCD color monitor</li><li>- Operating System: MS Windows 2003 Server</li><li>- Norton Ghost 2003</li></ul>                               |          |
| <b>13</b> | <b>Xc Test HW Rack Dell</b>   | <b>1</b> |
|           | <p>The Xcelera Test Server configuration can be utilized by Hospital IT departments to test patches, interfaces and upgrades etc. This allows for validation of new features and provides an environment for acceptance testing before making these available in a production environment. The test configuration comprises a Xcelera SW license, but cannot be used for clinical practice and must be provided in conjunction with a Xcelera system.</p> <p>Hardware specifications (minimum, equivalent, or better):</p> <ul style="list-style-type: none"><li>• Rack chassis</li><li>• Dual Intel Xeon CPU</li></ul> |          |

- 8 GB RAM
- DVDRW
- 2x 300GB SAS Hard disk (RAID-1) + 2x 600GB SAS Hard disk (RAID-1)
- 4x Ethernet adapter 10/100/1000 Mbit
- Keyboard and Mouse
- Operating System: MS Windows 2008 Server
- SQL 2008 database software

**14 Xcelera Connect Test server 1**  
**HW, Dell Rack**

The Xcelera Connect Test Server configuration can be utilized by Hospital IT departments to test patches, interfaces and upgrades etc. This allows for validation of new features and provides an environment for acceptance testing before making these available in a production environment. The test configuration comprises a Xcelera Connect SW license, but cannot be used for clinical practice and must be provided in conjunction with a Xcelera system.

Hardware specifications (minimum, equivalent, or better):

- Rack chassis
- Intel Quadcore Xeon CPU
- 4 GB RAM
- DVDRW
- 3x 300GB SAS Hard disk
- 4x Ethernet adapter 10/100/1000 Mbit
- Keyboard and Mouse
- Operating System: MS Windows 2003 Server

**15 Advanced Workstation WIN7 4**  
**Dell**

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

**16 LCD HQ COLOR MONITOR 8**  
**(19")**

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

Display matrix: 1280x1024

Brightness: 300 cd/m<sup>2</sup>

Contrast ratio 1300:1

**17 Barco Calibration Tool 1**

The Barco Display Calibration tool is necessary to guarantee optimal image quality. Display calibration is important to meet the DICOM grayscale calibration standard.

<b>18</b>	<b>NETGEAR ReadyNAS 18TB 3200</b>	<b>2</b>
<p>These dual units are connected to the LAN or any other network reachable by the Xcelera system and provide an additional 18 TB of long-term storage for Xcelera patient data.</p> <p>The two units are mirrored to provide optimal data security and availability. Data written to these units is secured by the RAID configuration of 12 disk drives. Data, once stored, will not be deleted.</p> <p>Features:</p> <ul style="list-style-type: none"> <li>- dual redundant power supplies</li> <li>- dual Gigabit Ethernet ports</li> <li>- supports dual-redundancy by default. This means that your data is safe even when you encounter a 2-disk failure. As disk capacity increases and as more disks are utilized in a RAID set, the chance for encountering a 2-disk failure becomes greater, so having the dual-redundancy support from the start gives you the extra peace of mind in a mission-critical installation</li> <li>- X-RAID2, a 2nd generation X-RAID technology</li> </ul> <p>NOTE:</p> <p>Customer must provide a rack enclosure to house this NAS. 2U required for each 18TB NAS.</p>		
<b>19</b>	<b>NAS Backup to 3TB</b>	<b>1</b>
<p>This unit is connected to the LAN or any other network reachable by the Xcelera system and provides an additional 3.0 TB long term storage for Xcelera patient data. This system is intended for use as a backup facility for database backups and system files.</p> <p>Data written to this unit is secured by the RAID5 configuration of 4 disk drives. Multiple sets can be connected for future extensions.</p> <p>Each unit comprises a powerful Network Storage Processor and 4 hot swappable and lockable hard disk-racks.</p> <ul style="list-style-type: none"> <li>• 10/100/1000 MBit/s Ethernet</li> <li>• Dimensions: 200 H x 132 B x 222 D (mm)</li> <li>• Weight: approx. 5 Kg</li> </ul>		
<b>20</b>	<b>SQL 2008 Client Access License</b>	<b>1</b>
<p>SQL Client Access license</p> <p>One required for every named user that accesses the system direct or indirectly.</p>		
<b>21</b>	<b>Paragon Server</b>	<b>1</b>
<p>Imaging software used for server system.</p>		
<b>22</b>	<b>Paragon Client</b>	<b>1</b>
<p>Imaging software used for workstation system.</p>		
<b>23</b>	<b>Xcelera R3.X Technical Training (Biomed)</b>	<b>1</b>

## Overview

The four and a half days (4.5) Xcelera R3.X Service training course is designed to provide technical information on configuration, basic clinical applications, maintenance, and troubleshooting logic for the Xcelera Cardio PACs. The training course is ideal for the biomedical engineers responsible for servicing this equipment. The class is taught using a combination of lecture, demonstration, and hands on labs.

The training course is held at Philips Training Center located in Melbourne, FL. The price includes air travel, ground transportation, hotel accommodations, lunch, and a daily allowance for breakfast and/or dinner at the hotel.

## Features

Upon successful completion of this course, the attendee will be able to describe:

- Xcelera system platform overview
- Cardiology Integrated Solutions workflow with Xcelera and XIM Integrated Cath Lab
- Cardio workflow integrating Xcelera with other modalities (MR, CT, and NM.)
- System HW and SW architectures
- Installation logistics based on system model
- Licensing
- SQL Server database software
- Microsoft operating software
- Archive Solutions
- Image Workflow

Upon successful completion of this course, the attendee will be able to perform:

- System Administration Manager Utility usage
- Clinical Application Configuration Tool usage
- Basic (Cath and Echo) applications functionality
- Basic functionality for application plugins
  - Viewforum
  - Autoquant
  - QLAB
  - CAAS2000 tools
  - EP Med Workmate
- Configure NAS and iSite Archives
- Configure DICOM nodes to support DICOM services functionality (import, send, export and query- retrieve)
- System Backups
- Troubleshooting Logic

## Recommended Attendees

- Prior completion of Networking Fundamentals (CS9020) and DICOM (CS9027) prerequisite eLearnings posted on the Philips Learning Center are required.
- Staff familiar with site workflow in peripheral, vascular, and/or cardiac cath labs.
- Trainees must be familiar with basic PC, Microsoft Windows, Microsoft Windows Server, and Microsoft SQL application skills and well versed with digital image acquisition as defined by their departmental modality devices.



- Ability to navigate Microsoft Windows with system administrator rights.
- Staff responsible for performing system troubleshooting and fault-finding activities.

### **Engagement Deliverables**

Four and a half days Xcelera PACs Technical Training course

### **Engagement Completion Criteria**

Attendance of one person for four and half (4.5) days and successful completion of all hands on labs.

### **Customer Work Contributions**

Select appropriately skilled resource to attend training with core competencies in maintenance, troubleshooting and repair of biomedical equipment.

### **Estimating Assumptions on Work**

Training is held at Philips Training Center located in Melbourne, FL.

### **Limitations on Work**

- Training is good for one (1) year from the purchase date. Any unused training will expire after this time.
- Training classes are scheduled in advance and registration is on a first come, first serve basis.
- Notify Philips a minimum of two (2) weeks in advance of any changes to registration.

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### **Xcelera Super User Training Course 1**

#### **Xcelera Super User Training Course**

##### **Overview**

Philips will provide a three (3) day training course at the Melbourne site for one (1) hospital staff member. This course is designed to prepare technologists, sonographers, system analyst, and administrative staff responsible for performing Xcelera application customization and site lead for ongoing application support. The course utilizes the “train-the-trainer” approach so upon return attendees can train other users and perform 1st line support for customizing the Xcelera multimodality cardiology image management system.

##### **Features**

The training course is held at Philips Training Center located in Melbourne, FL. The price includes air travel, ground transportation, hotel accommodations, lunch, and a daily allowance for breakfast and/or dinner at the hotel.

##### **Recommended Attendees**

- Staff familiar with site workflow in echo, vascular, nuclear medicine and/or cardiac cath labs
- Staff who have knowledge of Microsoft Windows is required
- Staff who have computer/database experience
- Staff who have strong and creative troubleshooting skills
- Staff with prior experience with clinical applications
- Staff who have the ability to use a personal computer effectively
- Staff with system administrator rights
- Staff responsible for performing application configuration, serves as expert in application functionality, trains end users on configuration tools, and application functionality.

#### Engagement Deliverables

- A maximum of eight (8) hours per day for three (3) Philips business days. The hours of training delivered per day, per class vary depending on the knowledge base and speed of learning of the attendees.

- Course material will cover the following topics:

- o Main Window
- o Ultrasound Viewer
- o Cath Viewer
- o Nuclear Medicine Viewer
- o Clinical Configuration Tool
- o Measurement Configuration
- o Measurement Configuration Tool (Measurement Mapping)
- o Data Analysis
- o System Administration Manager
- o System Administration Manager Tool (Enterprise Security)
- o Report Customization
- o Workflow Consulting
- o Basic System Administration
- o Review and Evaluation

- The Philips Project Manager will schedule the training with the customer.

#### Engagement Completion Criteria

- Training objectives have been delivered to the designated trainee
- The trainee has attended all three (3) days of training

#### Customer Responsibilities

- Customer should designate a clinical contact as the focal point to lead and coordinate scheduling.
- To provide a trained and satisfied group of users, Philips requests that trainees clear their schedules to ensure focused availability during training sessions.
- Training will be scheduled in conjunction with installation activities when applicable.
- Philips should be notified in advance of any cancellation or rescheduling of the scheduled training dates.

#### Estimating Assumptions on Work:

- Customer personnel and resources, defined in the project plan are made available at the times defined by the project plan.
  - Limitations on Work
  - N/A
-

25	<b>Contracts - Onsite PS Hours</b>	<b>120</b>
	<p>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:</p> <ul style="list-style-type: none"> <li>• Implementation Specialists - responsible for technical work such as installation and configuration of the system hardware and software</li> <li>• Application Consultants – responsible working within the clinical environment providing expertise in workflow, application configuration and training</li> <li>• Integration Engineer – responsible for development and testing of HIS and clinical interfaces</li> </ul> <p>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.</p>	
26	<b>Contracts - Onsite Training PS hours</b>	<b>64</b>
	<p>Provides onsite training to be delivered by a Philips Healthcare Application Consultant. Training is valid for one year from the date of purchase. Any unused training will expire after this time. Refer to the Statement of Work (SOW) or Project Scope Document (PSD) for additional detail.</p>	
27	<b>Contracts - Remote PS hours</b>	<b>515</b>
	<p>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:</p> <ul style="list-style-type: none"> <li>• Implementation Specialists - responsible for technical work such as installation and configuration of the system hardware and software</li> <li>• Application Consultants – responsible working within the clinical environment providing expertise in workflow, application configuration and training</li> <li>• Integration Engineer – responsible for development and testing of HIS and clinical interfaces</li> </ul> <p>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.</p>	
28	<b>Application Training</b>	<b>24</b>
	<p><i>Provides onsite training to be delivered by a Philips Healthcare Application Consultant. Training is valid for one year from the date of purchase. Any unused training will expire after this time. Refer to the Statement of Work (SoW) or Project Scope Document (PSD) for additional detail.</i></p>	
29	<b>System Admin Training</b>	<b>8</b>

*Provides onsite training to be delivered by a Philips Healthcare Technical Implementation Consultant. Training is valid for one year from the date of purchase. Any unused training will expire after this time. Refer to the Statement of Work (SoW) or Project Scope Document (PSD) for additional detail.*

Line #	Description	Qty
1	<p><b>Xper Flex Cardio Nurse Station</b></p> <p>The Nurse Station is a computer workstation that can be installed within the Cath Lab suite and offers an additional location from which to enter medication and nurses' notes data during procedures and sample pressures and other physiologic data. Nurse Station is also capable of controlling Xper Flex Cardio 2010. The Nurse Station communicates with a central database server for accessing and storing patient case procedure information.</p> <p>Features:</p> <ul style="list-style-type: none"> <li>-Remote workstation for procedure documentation</li> <li>-Remote control of the Xper Flex Cardio 2010 or 2020</li> <li>-Remote recording of hemodynamic samples</li> <li>-Input conscious sedation data</li> <li>-Point of care inventory management via documentation or manufacturer barcode (optional via Inventory)</li> </ul> <p>Minimum Hardware included:</p> <ul style="list-style-type: none"> <li>-XDS Workstation</li> <li>-19" LCD Display</li> <li>-Keyboard</li> <li>-Mouse</li> <li>-Patient cable kit</li> <li>-Barcode reader</li> </ul> <p>System Software included:</p> <ul style="list-style-type: none"> <li>-Xper Information Management Hemo Control software for Workstation CPU</li> <li>-Microsoft Windows XP Professional</li> <li>-Symantec pcAnywhere</li> <li>-Microsoft SQL Express Edition</li> </ul> <p>Requires:</p> <ul style="list-style-type: none"> <li>-Xper IM Data Center SW R1.5. Note: Existing networks to which a Flex Cardio is to be added will be upgraded to R1.5 at time of room installation</li> <li>-XDS Wall Mount OR Rolling Stand</li> </ul>	2
2	<p><b>Xper Flex Cardio Bedside Solution</b></p> <p>The Xper Flex Cardio Bedside Solution is a multi-functional workstation PC that allows for comprehensive patient monitoring and automates clinical data collection and charting. The Bedside Solution is integrated with the Xper Flex Cardio solution and allows for a complete and comprehensive record of a patient's entire stay, inclusive of pre-procedure, cath lab and post procedure data in one single record.</p> <p>Device with the following monitoring capabilities/cables:</p> <ul style="list-style-type: none"> <li>-NIBP</li> <li>-SpO2</li> <li>-Four Invasive Pressures</li> <li>-CO</li> <li>-12-lead ECG</li> <li>-Respirations</li> <li>-Body Temp (Surface)</li> </ul>	8

-Optional End Tidal CO2 (mainstream sampling) available for purchase  
-Patient Cable Set (SpO2 Extension, SpO2 Finger Probe, NIBP Hose and one (1) each Adult/Large Adult Cuff, ECG cable with 12 lead radiopaque lead set, ECG lead covers, cardiac output cable with bath temp probe, surface body temp cable, two (2) pressure adaptor cables)

Minimum System Hardware Included:

- Flex Cardio device (Model FC2020)
- XDS Workstation
- 19" LCD Display
- Mouse
- Custom Keyboard
- Barcode reader

System Software included:

- Current License for Xper Flex Cardio Bedside Solution CPU
- Microsoft Windows XP Professional
- Symantec pcAnywhere
- Microsoft SQL Express Edition

Requires:

- Xper IM Data Center SW R1.5. Note: Existing networks to which a Flex Cardio is to be added will be upgraded to R1.5 at time of room installation
- Wall Mount w/XDS Wall Mount OR Rolling Stand
- Customer to provide appropriate transducer cables

NOTE:

- Pressure transducers, or adapter cables, are not included.
- Contact: Fogg System Company  
USA: 1-800-525-0292  
<http://www.foggssystem.com/>

3

**Xper Flex Cardio Flex Cardio  
2010**

1

- Complete, pre-configured FC2010, geared for quick system repairs
- Device only (does not include installation cables or patient cables)

Monitoring Parameters:

- Four (4) invasive pressure channels
- 12 Lead ECG
- Respirations
- Body Temp
- NIBP
- SPO2
- Integrated Cardiac Outputs

4

**Xper Flex Cardio Central  
Station**

1

The Xper Information Management Central Station provides a single workstation from which healthcare providers may monitor the waveform activities for up to eight (8) individual Bedside Solutions per Central Station monitor, with the ability to expand to sixteen (16) by adding an additional 22" LCD.

The Central Station allows for:

- Uninterrupted global monitoring of up to eight (8) Xper Bedside Solutions per 22" LCD (maximum 2 LCDs)
- Display of ECG, NIBP, SPO2, Respirations, and four pressure channels

- Color display options
- Configurable alarms
- Flexible monitoring layout that can include/exclude specific patient beds and allows you to specify different monitoring parameters for each Xper Bedside Solution

Minimum System Hardware Included:

- Workstation
- Mouse and Custom Keyboard
- One (1) 22" LCD Monitor

System Software included:

- Central Station CPU License
- Microsoft Windows XP Professional
- Symantec pcAnywhere

Requires:

Xper IM Data Center SW R1.5. Note: Existing networks to which a Flex Cardio is to be added will be upgraded to R1.5 at time of room installation

**5**

### **Xper Flex Cardio Control Room**

**2**

Xper Flex Cardio Control Room configuration is a physiomonitoring/hemodynamic system that is optimized for the cath lab environment. The system allows for monitoring the patient's vital signs as well as allows for hemodynamic measurements required during interventional procedures. This Control Room configuration consists of a signal acquisition unit that is installed within the procedure room and a computer workstation in the x-ray control room. This configuration is typically used within the cath lab, hybrid OR and multi-purpose labs where cardiac monitoring is required. User logins allow for networking to a central database server for archival of case procedure information. The system outputs the monitored signals to a boom display within the procedure room, while dual LCDs displays connected to the control room workstation can be used for all of the hemodynamic and information management functionality.

Software Features:

- Physiomonitoring, manual or automated entry of patient information in case details, sampling of waveforms, charting, hemodynamics
- Non-clinical functionality available via Xper Information Management modules loaded on the control room workstation

Xper Information Management modules included:

- Hemodynamic control software
- Charting for case procedure documentation
- Hemodynamic calculations
- Vitals capture
- Scheduler

Optional Features:

- FFR Measurement for Volcano or St. Jude
- End Tidal CO2 (Side Stream and/or Main Stream)
- 16 Lead ECG
- ECG Analysis using Philips DXL Algorithm

Optional Modules:

- Xper IM Documentation Workflow Modules

- Xper IM Registries
- Xper IM Patient Status Viewer

Minimum Hardware included:

- Flex Cardio device (Model FC2010)
- Workstation
- Dual LCD Displays
- Keyboard
- Mouse
- Patient cable kit

Minimum Software included:

- Microsoft Windows 7 or greater
- Current version of Xper IM software for workstation
- PC Anywhere v12.5 or greater
- McAfee Antivirus

Monitoring functionality included:

- NIBP
- Respiration
- Temperature
- 12-lead ECG
- SpO2
- Cardiac output (Thermodilution)
- Invasive pressures (4 channels)

Requires purchase of:

- Xper IM Data Center SW
- Table Mount
- 4:3 LCD HQ Display

NOTE:

- Pressure transducers, or adapter cables, are not included.
- Contact: Fogg System Company
- USA: 1-800-525-0292
- <http://www.foggssystem.com/>

**6**

### **Side Stream ETCO2**

**10**

Incorporates Side Stream End Tidal CO2 monitoring capabilities to Xper Flex Cardio devices via external Philips Sidestream cable (M2741A)

- Monitoring accomplished via nasal canula.

Include:

- One box (10 each) disposable Adult CO2/O2 Nasal Canulas (M2750A)
- One box (10 each) disposable Pediatric CO2/O2 Nasal Canulas (M2751A)

**7**

### **FFR Measurement St. Jude**

**2**

The FFR Measurement for St. Jude option enables a St. Jude (RADI) Aeris(tm) device to be connected to Xper Flex Cardio physiomonitring system for integrated Fractional Flow Measurements.

Features

- Compatibility with St. Jude Aeris(tm) device allowing use of St. Jude (RADI) guide wires for monitoring pressure waveforms
- Ability to record a sample of the pressure waveform



- Real time, dynamic FFR measurement and capture
- Retrospective review of FFR pressure waveform

Requires

-St. Jude Pressure Wire Receiver 12722

\* Customer is responsible for purchasing the Aeris device and compatible guide wires directly from St. Jude Medical (RADl).

## 8 **Xper IM Data Center SW with 1 CU License** 1

Data Center software is required when communication between devices is desired. One concurrent user license is included to facilitate accessing purchased workflow modules.

System Software included:

- Xper Information Management Data Center software
- Xper Information Management Client Software

Test Environment system software included:

- Xper Information Management Data Center software
- Xper Information Management Client Software
- Xper IM Connect Software

NOTE: Test environment for use on hospital provided hardware. This test environment can be used to test configuration changes prior to implementing in live environment.

Requires:

- Data Center Server Hardware, with appropriate Microsoft SQL 2008 processor license
- Client Workstation HW for Concurrent User License usage
- Test Server Hardware, if Test Environment desired

## 9 **WF4 Xper IM Doc Wkflow Modules** 1

Bundle of the following modules:

- Transcription
- Arterial Trees
- Custom Forms
- Inventory
- Data Analysis

## 10 **Xper IM Registries** 1

Data collection such as research data, ACC, customer designed collection. ACC screens are accessible when charting menus in a case. Registry data can be exported to a 3rd party vendor from these screens. Custom screens can be built and utilize for local, smaller registries.

Features:

- Collection of registry data from source charted information utilizing menus and scrapers
- HL7 export of data to 3rd party vendor

System Software:

- Registries module certificate

Requires:

- Xper Information Management Data Center software
- Export requires purchase of Discrete Clinical Data interface

11	<b>Xper IM VA CPRS Integration</b>	<b>1</b>
<p>This product allows activation of ADT, LABS, Results, and Discrete Clinical Data Interfaces. Activation of additional interfaces requires additional purchase.</p> <p>ADT - Captures ADT demographics information in HL7 format from hospitals' mainframe systems in real-time (compatible with third party systems such as Medi-Tech, Siemens, and others).</p> <p>LABS - Captures LABS information in HL7 format from hospitals' mainframe systems in real-time (compatible with third party systems such as Medi-Tech, Siemens, and others).</p> <p>DISCRETE CLINICAL DATA - Sends Xper Information Management Clinical Discrete Data to third party databases using HL7 format via TCP/IP or File Post.</p> <p>RESULTS - Sends finalized Transcription reports from Xper Information Management to electronic medical records systems. Reports may be sent in PDF (via HL7 Reference Pointer - which is an interface that sends an HL7 message to the receiving system. This HL7 message indicates where a copy of the .pdf document is located and can be picked up. The .pdf document has all the information and formatting that is on the transcription.) OR HL7 ASCII format (ORU ^R01 which is a text only version of the document. The information will only contain the text and does not include any pictures, or formatting that has been added to the document.)</p> <p>System Software:</p> <ul style="list-style-type: none"> <li>- ADT Interface License</li> <li>- LABS Interface License</li> <li>- Discrete Clinical Data Interface License</li> <li>- Results Interface License</li> </ul> <p>Requirements:</p> <ul style="list-style-type: none"> <li>- Xper Connect Core Software</li> <li>- All Xper Information Management Connect functions require a common network connection between Xper Information Management Connect Server and the appropriate third party system or device and Xper Information Management client workstation(s).</li> </ul>		
12	<b>Xper IM Connect Software</b>	<b>1</b>
<p>This software is required when interfacing between Xper Information Management and a third party system is desired. The software enables activation of available Xper Information Management Connect Interfaces.</p> <p>System Software included:</p> <ul style="list-style-type: none"> <li>-Xper Connect Software</li> </ul> <p>Requirements:</p> <p>All Xper Connect functions require a common network connection between Xper Information Management Interface Server and the appropriate third party system or device and Xper Flex Cardio client or hospital provided workstation(s). Used ports must remain open.</p> <ul style="list-style-type: none"> <li>- Interface Server Hardware</li> </ul>		
13	<b>Xper IM End of Case Report Interface</b>	<b>1</b>

This product allows activation of End of Case Report interface. Activation of additional interfaces requires additional purchase.

End of Case Report Interface – Sends a HL7 Reference Pointer Message to hospitals' EMR or HIS systems, alerting the system where it can locate a PDF version of the end of case report. The end of case report will contain but is not limited to demographics, hemodynamic data, waveforms, conscious sedation data, and procedure log.

Formats/Protocols Supported:

- HL7 version 2.1, 2.2, 2.3, 2.4, 2.5
- TCP/IP, File Post

System Software:

- End of Case Report Interface License

Requirements:

- Xper Connect Core Software
- All Xper Connect functions require a common network connection between Xper Information Management Interface Server and the appropriate third party system or device and Xper Flex Cardio client or hospital provided workstation(s).

**14**

#### **Philips Cath Lab Experience**

**1**

This interface enables the Philips Cath Lab Experience functionality within Xper Information Management. This includes launching Xcelera to view and capture cine images for inclusion in reports as well as saving reports, coronary trees and waveforms into Xcelera.

Activation of additional interfaces requires additional purchase.

System Software:

- Cath Lab Experience Interface License

Requirements:

- Xper Connect Core Software.
- All Xper Information Management Connect functions require a common network connection between Xper Information Management Hospital Interface Software and the appropriate third party system or device and Xper Information Management client workstation(s).
- Xcelera version 2.2 or higher

NOTE: For optimal performance the following interfaces are required: ADT or Orders.

**15**

#### **XperIM Data Center Server**

**1**

The Server hardware provides the platform for all network communications for Xper Flex Cardio physiomonitring system and Xper Information Management. Facility is to provide monitor, keyboard and mouse or equivalent.

Minimum System Hardware Included:

- File Server
- Main Board
- Dual Core 1.6 GHz or greater processor
- 4 GB RAM
- Hard Disk (500 GB capacity, RAID possible)
- DVD-ROM drive
- Video – 1280 x 1024 res, 16 bit color Min
- 10/100/1000 Network Adapter (may have multiple)

System Software included:

- Microsoft Windows Server Operating System (sufficient licenses for all IPC provided computers and software licenses purchased)

- Microsoft SQL Server Software
- Symantec pcAnywhere

Requires:

- Xper IM Data Center SW
- Rack in which to place Server, monitor, keyboard, mouse and UPS

## 16 **GCX Rolling Stand** 2

1 For mounting of VESA Compatible Flat Panel displays.

Includes:

- Rolling stand
- Keyboard / Mouse support arm
- CPU mounting bracket
- Flat Panel display mounting base
- Storage basket
- Support arm for Flex Cardio device

Notes:

\*This roll stand does not support mounting of dual displays.

\*Customer purchasing Xper Flex Cardio Bedside Solution will also need to purchase the Xper GCX Articulating Arm for mounting of the FC2020 device.

## 17 **Xper IM Test Server** 1

The Data Center Test Server hardware provides the platform for all network communications for Xper IM test environment. The test configuration cannot be used for clinical practice and must be sold in conjunction with an Xper IM solution.

Minimum System Hardware Included:

- File Server, rack chassis
- Main Board
- Dual Core 1.6 GHz or greater processor
- 4 GB RAM
- RAID 5 array (500 GB capacity)
- CD-ROM drive
- Video – 1280 x 1024 res, 24/32 bit color Min
- 10/100/1000 Network Adapter (2)

System Software included:

- Microsoft Windows Server Operating System (sufficient licenses for all Philips provided computers and software licenses purchased)
- Microsoft SQL Server Software
- Symantec pcAnywhere

Requires:

- Xper IM Test SW
- Rack in which to place Server, monitor, keyboard, mouse and UPS

## 18 **4:3 LCD HQ Display (19 inch)** 4

- Includes VGA Cable (To be pulled / installed by customer). Cable not included with Boom monitor if purchased with a hemodynamic system, as the cable is included with that product.

## Medical grade UPS for use with Xper Information Management Flex Cardio servers

The XperIM Connect Test Server hardware provides the platform for all network communications for Xper IM test environment.

- File Server
- Main Board
- Dual Core 1.6 GHz or greater processor
- 4 GB RAM
- RAID 5 array (500 GB capacity)
- CD-ROM drive
- Video – 1280 x 1024 res, 24/32 bit color Min
- 10/100/1000 Network Adapter (2)

- Microsoft Windows Server Operating System (sufficient licenses for all IPC provided computers and software licenses purchased)
- Microsoft SQL Server Software
- Symantec pcAnywhere

- Xper IM Test software
- Customer to provide rack in which to place server, and peripherals such as monitor, keyboard, mouse and UPS.

The Interface Server provides the platform for all communications with Xper Information Management Connect software and third party interface systems.

- File Server
- Main Board
- Dual Core 1.6 GHz or greater processor
- 4 GB RAM
- RAID 5 array (500 GB capacity)
- CD-ROM drive
- Video – 1280 x 1024 res, 24/32 bit color Min
- 10/100/1000 Network Adapter (2)

-Microsoft Windows Server Operating System (sufficient licenses for all IPC provided computers and software licenses purchased)

- Microsoft SQL Server Software
- Symantec pcAnywhere

Requires:

- Xper IM Connect SW
- Rack in which to place Server, monitor, keyboard, mouse and UPS

**22** **Customer Provided** **1**  
**5** **Workstation HW**

Hardware for use with concurrent user licenses and Patient Status Viewer software.

Minimum Workstation Hardware Specifications:

- Main Board
- 3.0 GHz or greater hyper-threading processor
- 2 GB RAM
- 80 GB or greater hard drive
- DVD-ROM drive reader
- Video – 1280 x 1024 res, 24/32 bit color (optional Dual Head DVI)
- 10/100/1000 MB network adapter (may have multiple)
- Mouse
- Keyboard

NOTE: Xper IM Concurrent User Licenses and/or Patient Status Viewer license must be purchased separately.

**23** **Xper Flex Cardio Table Mount** **2**

This Xper Flex Cardio Table Mount is a customized mounting system and is required to mount FC2010 to x-ray table. The mount includes cable management to minimize clutter of cables connected to the FC2010 device.

\*This wall mount is optimized for the Philips Allura X-ray table, but could be used for x-ray tables from other manufacturers.

**24** **24U Rack** **1**

Storage rack for Server/Interface Server

Minimum System Hardware included:

- Rackmount Monitor, Keyboard, Touchpad Mouse
- KVM Switchbox

NOTE: To be assembled on-site.

**25** **XDS Wall Mount** **8**  
**5**

Includes:

- Keyboard swivel support arm
- Mouse pad and tray attachment
- XDS computer vertical mounting base
- Flat Panel (1) display mounting base

HOSPITAL RESPONSIBLE FOR MOUNTING / INSTALLATION

\*This wall mount does not support mounting of dual displays.

For mounting of Xper Flex Cardio bedside solution, a GCX articulating arm is also required

26	<b>Xper GCX Articulating Arm</b>	<b>8</b>	Support arm for mounting of Xper Flex Cardio device to XDS Wall Mount.
27	<b>Installation Cable Kit Control Room</b>	<b>2</b>	Provides all installation cables required for normal installation, Flex Cardio Control Room.
28	<b>Philips Cath Lab Experience</b>	<b>1</b>	The XperIM Flex Cardio system will be installed in the Integrated Cath Lab (cath only) configuration with Xcelera.
29	<b>OnSite Clinical Training, 2 days</b>	<b>10</b>	Provides one Clinical Applications Specialist on-site for two days (minimum 8 hours/day) Training is valid for one year from the purchase date. Any unused training will expire after this time.
30	<b>Integrated Cath Lab OnSite Training</b>	<b>1</b>	Additional On-site Clinical Training on the Integrated Cath Lab - Provides one Clinical Applications Specialist on-site for two days (minimum 8 hours/day) Training is valid for one year from the purchase date. Any unused training will expire after this time.
31	<b>Workflow Consulting Services</b>	<b>1</b>	This consulting service is designed to analyze and document a customer's current departmental workflow, and then identify ways to optimize that workflow through the use of Xper Information Management. Whether replacing an existing cath lab hemodynamic and information system, upgrading from a legacy system or moving from paper-based processes to electronic documentation careful analysis and preparation for the new environment are critical to a successful implementation. This service is vital to understanding and planning for these effects.
32	<b>Xper IM Customized Reporting Services</b>	<b>1</b>	
33	<b>Contracts - Onsite PS Hours</b>	<b>206</b>	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: <ul style="list-style-type: none"> <li>• Implementation Specialists - responsible for technical work such as installation and configuration of the system hardware and software</li> <li>• Application Consultants – responsible working within the clinical environment providing expertise in workflow, application configuration and training</li> </ul>

- 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.

Provides onsite training to be delivered by a Philips Healthcare Application Consultant. Training is valid for one year from the date of purchase. Any unused training will expire after this time. Refer to the Statement of Work (SOW) or Project Scope Document (PSD) for additional detail.

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:

- 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.

This three and a half day (3.5) training course is focused on the physiomonitoring system within the cath lab, the associated computer workstations, and peripheral equipment. During the course, the participants will learn about system functionality, maintenance, troubleshooting, and repairs. The training course is ideal for the clinical (biomedical) engineer responsible for servicing this equipment. The class is taught using a combination of demonstration and hands-on experience. The training course is held at Philips Training Center located in Melbourne, FL. The price includes air travel, ground transportation, hotel accommodations, lunch, and a daily allowance for breakfast and/or dinner at the hotel.

- Describe and demonstrate how to:
- Establish program for and perform hardware and software Periodic Maintenance (PM).
- Understand the communication flow from Xper Flex Cardio Device to workstation to network.
- Test and troubleshoot Xper Monitoring system components.
- Test, troubleshoot, and repair faulty computer components.



### **Recommended Attendees**

Staff member familiar with core competencies in maintenance, troubleshooting, and repair of biomedical equipment.

### **Engagement Deliverables**

Three and a half days Xper IM Technical Training course

### **Engagement Completion Criteria**

Attendance of one person at Xper IM Technical Training course in Melbourne

### **Customer Work Contributions**

Select appropriately skilled resource to attend training with core competencies in maintenance, troubleshooting and repair of biomedical equipment.

### **Estimating Assumptions on Work**

Training is held at Philips Training Center located in Melbourne, FL.

### **Limitations on Work**

- Training is good for one (1) year from the purchase date. Any unused training will expire after this time.
- Training classes are scheduled in advance and registration is on a first come, first serve basis.
- Notify Philips a minimum of two (2) weeks in advance of any changes to registration.

37

### **Xper IM Workflow & Documentation Training**

2

Xper IM Workflow and Documentation Training

#### **Overview**

This four and a half day (4.5) training course provides the trainee with the skills needed to configure the Xper application's clinical reporting, inventory management, data analysis, and scheduling modules. These four modules, combined, allow the user to:

- Create patient-specific reports such as the physician's report, procedural documentation.
- Manage department's inventory including track supply usage, reordering and stock locations.
- Develop statistical reports and custom queries.
- Configure the study/procedure, staff work hour and staff to procedure event scheduling.

The class is taught using a combination of demonstration and hands on experience. The training course is held at Philips Training Center located in Melbourne, FL. The price includes air travel, ground transportation, hotel accommodations, lunch, and a daily allowance for breakfast and/or dinner at the hotel.

#### **Features**

Describe and demonstrate how to:

##### **Clinical Reporting (Transcription)**

- Use the Xper Transcription Builder to create new and modify existing templates
- Use the Toolbar Icons to correctly format the document
- Configure Transcription Association

##### **Inventory Management**

- Create a new and modify existing inventory item's
- Create and receive an order using the Orders dialog
- Employ Cycle Counting update on-hand quantities

#### Data Analysis and Reporting

- Customize menu structure and "Custom Fields" to produce optimal data output
- Develop multiple-parameter queries output data with pre-defined and custom-built reports
- Automate the printing process to output reports on a scheduled basis
- Export database information to either Excel or Access

#### Procedure Scheduling

- Employ the Scheduling module to improve lab workflow

#### Recommended Attendees

- Prior completion of Xper IM Core Application Training through eLearning is required.
- Select staff familiar with core competencies in clinical workflow, documentation and reporting.
- Select staff familiar with site workflow in peripheral, vascular and/or cardiac cath labs
- Ability to navigate Microsoft Windows is required as is system administrator rights
- Staff responsible for performing application configuration and training of other end users.

#### Engagement Deliverables

- Two day training on creating patient reports
- One day training on creating new inventory items, performing cycle counts and ordering
- One day training on creating custom forms, queries and statistical reports
- Two hour training on how to employ and configure the Scheduler to improve lab workflow

#### Engagement Completion Criteria

- Attendance of one person at Xper IM Workflow and Documentation Training Course

#### Customer Work Contributions

- Bring samples of current lab physician reports, inventory and lab data analysis reports.

#### Estimating Assumptions on Work

- Training is held at Philips Training Center located in Melbourne, FL.

#### Limitations on Work

- Training is good for one (1) year from the purchase date. Any unused training will expire after this time.
- Training classes are scheduled in advance and registration is on a first come, first serve basis.
- Notify Philips a minimum of two (2) weeks in advance of any changes to registration.

38	<b>Xper IM Core Application Training - eLearning</b>	<b>2</b>
eLearning course hosted on Philips Learning Center. Course consisting of 21 modules. Available to any individual where Xper IM is purchased. Users should begin this training immediately upon receiving the first Xper IM system device. This course is a prerequisite for the Xper IM Documentation and Workflow Training Course. A Philips employee representing customer may send a request to SCSLearning@philips.com and request eLearning be assigned to the customer.		
39	<b>Total number of Facilities</b>	<b>1</b>
40	<b>Configuration Support-Remote Services</b>	<b>32</b>

*Provides remote configuration support to be delivered by a Philips Healthcare Application Consultant. Services are valid for one year from the date of purchase. Any unused services will expire after this time. Refer to the Statement of Work (SoW) or Project Scope Document (PSD) for additional detail.*

- |           |   |           |
|-----------|---|-----------|
| <b>41</b> | <b>Application Training</b>   | <b>40</b> |
|           | <i>Provides onsite training to be delivered by a Philips Healthcare Application Consultant. Training is valid for one year from the date of purchase. Any unused training will expire after this time. Refer to the Statement of Work (SoW) or Project Scope Document (PSD) for additional detail.</i>              |           |
| <b>42</b> | <b>Follow-up Training</b>   | <b>24</b> |
|           | <i>Provides onsite training to be delivered by a Philips Healthcare Technical Implementation Consultant. Training is valid for one year from the date of purchase. Any unused training will expire after this time. Refer to the Statement of Work (SoW) or Project Scope Document (PSD) for additional detail.</i> |           |
| <b>43</b> | <b>System Admin Training</b>  | <b>16</b> |
|           | <i>Provides onsite training to be delivered by a Philips Healthcare Technical Implementation Consultant. Training is valid for one year from the date of purchase. Any unused training will expire after this time. Refer to the Statement of Work (SoW) or Project Scope Document (PSD) for additional detail.</i> |           |
| <b>44</b> | <b>Go-live support</b>  | <b>40</b> |
|           | <i>Provides onsite go-live support to be delivered by a Philips Healthcare Application Consultant. Services are valid for one year from the date of purchase. Any unused services will expire after this time. Refer to the Statement of Work (SoW) or Project Scope Document (PSD) for additional detail.</i>      |           |