

REQUESTING SERVICE: MEDICAL CARDIOLOGY LAB(III)

DEL. TO: ROOM 253 · I

SHIP TO: WAREHOUSE B80006

V.A. Medical Center

4815 N ASSEMBLY ST

BLDG 14

SPOKANE, WA 99205-6197

PO#: 668-B80006

Line #	Description	Qty		
1	Rack 12 Bay	2		
	Rack 12 Bay NAS Storage providing 18TB storage capacity.			
2	Dell Workstation	4		
	Dell Workstation			
	Specifications:			
	<ul style="list-style-type: none">• Mini Tower• 8 GB RAM• Dual output graphical card• DVD-ROM drive• DVD+-RW drive• 300GB SAS Harddisk• Ethernet adapter 10/100/1000 Mbit• Keyboard and Mouse• Operating System: MS Windows 7 Ultimate• Warranty 5 yr, nbd on site, + kyhd			
3	HQ Barco 24" Monitor	8		
	High resolution High quality LCD color monitor (24")			
	Providing rich contrast, high brightness, a wide viewing angle and accurate grayscales.			
	<ul style="list-style-type: none">• Display matrix: 1920x1200			
4	**FIT3547 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.			
5	**FIT3549 Paragon	9		
	Imaging software used for server or workstation systems.			
6	**FIT3991 SQL Server 2014 SWP	5		
	SQL Server 2014 Software Package. No licenses included.			
7	**FIT3992 SQL Server 2014 Server LIC	5		
	SQL Server License			
	Needed for each SQL instance. Extra needed: user cal license per named user or device cal per device.			

Line #	Description	Qty
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8	SQL Server 2014 User CAL	25
	SQL Client Access license	

One required for every named user that accesses the system direct or indirectly. Only one user cal is needed per user regardless the amount of SQL servers accessed.

9	SQL Server 2014 Device CAL	8
	SQL Device Access license	

One required per device that are shared among users that don't have a user cal.

10	HP Server 1 Internal RAID	2
	HP ProLiant DL160 Gen9:	

Processors: 2x E5-2620v4
RAM: 32GB (4x8)
Storage: 2x HP 300GB 12G SAS 15k 2.5 inch
Storage: 6x HP 600GB 12G SAS 15k 2.5 inch
Network: HP 1GB 4-port
Power: 2x HPE 900W AC 240 DVC
OS: Windows 2012 R2 STD with Windows 2008 R2 Standard downgrade option

11	HP Server 2 no RAID	3
	HP ProLiant DL160 Gen9:	

Processors: 2x E5-2620v4
RAM: 32GB (4x8)
Storage: 2x HP 300GB 12G SAS 15k 2.5 inch
Network: HP 1GB 4-port
Power: 2x HPE 900W AC 240 DVC
OS: Windows 2012 R2 STD with Windows 2008 R2 Standard downgrade option

Line #	Description	Qty
1	Basic Package	1
	IntelliSpace Cardiovascular Basic Package	

Philips IntelliSpace Cardiovascular is a software application designed specifically with you in mind to help streamline clinical workflow and improve operational performance across your entire cardiovascular service line. The IntelliSpace Cardiovascular Workspace is at the heart of the solution and provides instant access to all relevant cardiovascular images and information anytime, virtually anywhere. *

*** IMPORTANT NOTE: It is the user's responsibility to ensure that Philips network requirements (such as performance, VPN) for IntelliSpace Cardiovascular are met.**

A graphical, panoramic, chronological overview of your patient's cardiovascular care continuum helps you to improve the quality of cardiac care. Access to advanced clinical tools to perform comprehensive analysis and reporting allows for faster and more effective cardiac care treatment decisions.

IntelliSpace Cardiovascular offers two Workspace layers, the Patient-centric Workspace where you can see an overview of your patient with applets such as Image Viewer applet and Document Viewer applet and the User-centric Workspace which hosts applets such as Worklists and Search.

The software includes utilities for system administration that allows customization of the workspace configuration tools, lists, and user privileges.

Once the core of IntelliSpace Cardiovascular software is in place additional clinical applications and concurrent users can be added in a modular fashion. The system is easily scalable as institutions' needs change over time.

The software includes the Advanced Analytics tool for data mining purposes, pre-configured with several useful reports which help to analyze clinical and operational metrics. Additionally, a WebAPI is available which allows launching of a 3rd party web application based off the URL. Test server and client licenses are included in the IntelliSpace Core product. Users have access to the following applets in the IntelliSpace Cardiovascular Workspace:

- Search Applet
- Worklists Applet
- Cardiology Timeline
- Document Viewer Applet
- Image Viewer Applet
- DICOM ECG Viewer Applet

The software includes 2 concurrent user licenses for the Workspace and Production Workflow environment which provides floating access to interact with a single IntelliSpace Cardiovascular database for accessing patients and exams. While the quantity of Workspace clients is uncontrolled, the total number of concurrent user licenses available determines the maximum amount of simultaneous users at any moment in time.

Line #	Description	Qty
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The Production Workflow environment 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 to retrieve electrocardiograms from certain ECG management systems. IntelliSpace Cardiovascular performs the necessary functions for exam storage and review. IntelliSpace Cardiovascular additionally offers various analysis and quantification packages, clinical reporting and archiving features as optional functionality.

This product also includes 2 concurrent user licenses for cardiovascular ultrasound reporting provides floating access for a single user to generate echocardiography and vascular ultrasound clinical reports. The CV ultrasound reporting module automatically receives DICOM and DSR-TIFF exams and populates the clinical database, including select DICOM SR. IntelliSpace Cardiovascular 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, EPIQ, as well as from the Siemens Sequoia (rev. 12.1) and GE Vivid I and Vivid 7 (rev 4)). IntelliSpace Cardiovascular also supports DSR-TIFF ultrasound exams imported from certain Philips legacy ultrasound systems.

End users can create user-defined measurements and calculations in IntelliSpace Cardiovascular as well as edit labels for the default set of measurements and calculations. Measurements can populate the end users' choice of pre-configured clinical report templates that include reporting profiles, finding codes (clinical statements) and measurements. Finding codes can be customized for site-specific protocols and requirements. User-defined macros can be configured for reporting efficiencies.

The reporting module provides decision support for wall motion scoring. Based on the clinician's wall scoring selection, a statement will be generated with the following format. Example: "There is a <size> <territory> wall motion abnormality with <abnormality range>." This statement, along with an anatomical or bulls-eye diagram, can be automatically incorporated into the clinical report. The module includes the SmartChart for vascular reporting for efficiency and simplification. Users can customize finding codes to describe stenosis and flow. The SmartChart will automatically populate the users' selections into the clinical report.

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

IntelliSpace Cardiovascular 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. IntelliSpace Cardiovascular is fully scalable from a simple DICOM exam recorder to a single workspace configuration up to a multi-site client/server cardiology workflow solution.

This article number further includes

- The core IntelliSpace Cardiovascular application.

Line #	Description	Qty
	<ul style="list-style-type: none"> Two single concurrent user viewing license provides floating access to interact with a single IntelliSpace Cardiovascular server and access exams. While the quantity of IntelliSpace Cardiovascular clients is uncontrolled, the total number of concurrent user licenses available determines the maximum amount of simultaneous users on the IntelliSpace Cardiovascular system at any moment in time. Cardiac X-ray viewing application (also used for generic viewing of other exam types). Cardiovascular ultrasound viewing application. Two concurrent Ultrasound Reporting licenses for generation of echocardiography and vascular ultrasound clinical reports. DICOM archive connectivity, which provides the ability for IntelliSpace Cardiovascular 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 IntelliSpace Cardiovascular a verification message that the image studies have been received successfully. Additional services costs are required to configure DICOM archive connectivity. 	

IMPORTANT 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 IntelliSpace Cardiovascular database. There may be other limitations when utilizing an external DICOM archive. Customers are advised to consult with their Philips representative for further information.

Note

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

For optimal image quality, Philips strongly recommends using the Barco MDRC-1219 and MDRC-2224 medical grade displays with all IntelliSpace Cardiovascular cardiology workspaces. The Barco MDRC-1219 (standard 19-inch size) and MDRC-2224 (optional 24-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 IntelliSpace Cardiovascular DICOM Conformance Statement at 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

Line #	Description	Qty
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Production Workflow Concurrent User License

A concurrent user license provides floating access to interact with a single IntelliSpace Cardiovascular database and access exams. While the quantity of IntelliSpace Cardiovascular clients is uncontrolled, the total number of concurrent user licenses available determines the maximum amount of simultaneous users at any moment in time. The license enables the zero-footprint Workspace and access to the imaging and reporting workflows and analysis.

This product also includes a concurrent user license for cardiovascular ultrasound reporting provides floating access for a single user to generate echocardiography and vascular ultrasound clinical reports. The CV ultrasound reporting module automatically receives DICOM and DSR-TIFF exams and populates the clinical database, including select DICOM SR. IntelliSpace Cardiovascular 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, EPIQ, as well as from the Siemens Sequoia (rev. 12.1) and GE Vivid I and Vivid 7 (rev 4)). IntelliSpace Cardiovascular also supports DSR-TIFF ultrasound exams imported from certain Philips legacy ultrasound systems.

End users can create user-defined measurements and calculations in IntelliSpace Cardiovascular as well as edit labels for the default set of measurements and calculations. Measurements can populate the end users' choice of pre-configured clinical report templates that include reporting profiles, finding codes (clinical statements) and measurements. Finding codes can be customized for site-specific protocols and requirements. User-defined macros can be configured for reporting efficiencies.

This license should be purchased in quantities of multiples.

Note

- Requires IntelliSpace Cardiovascular Core Software.

For the latest DICOM interoperability information, refer to the IntelliSpace Cardiovascular DICOM Conformance Statement at www.philips.com.

3	Additional Consumption CU	3
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Additional Workspace Concurrent User License

This HTML5 browser based IntelliSpace Cardiovascular Workspace license provides centralized and configurable access to the database which provides a patient centric record across the cardiovascular care continuum. This license includes access to the Patient-centric Workspace, the Cardiology Timeline and the various applets as listed below.

Applets available:

- Cardiology Timeline
- Document Viewer Applet
- Image Viewer Applet
- DICOM ECG Viewer Applet

This license should be purchased in quantities of multiples.

Requires

- Requires IntelliSpace Cardiovascular Core Software.

Line #	Description	Qty
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4	2D Bundle 1-2 CU	2
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a2DQ Ultrasound Quantification

The concurrent user license for two-dimensional ultrasound quantification (a2DQ) provides a floating license for a single user to utilize the quantification software. Option is available per user – required for 1 – 2 CU range.

a2DQ is powered by the 2D Quantification plug-ins of Philips QLAB 10. Users can select still frames or loops and append these to the patient exam in IntelliSpace Cardiovascular. The still frames or loops will be visible in the IntelliSpace Cardiovascular thumbnail page and available for review. To improve reporting efficiency and clinical workflow, measurements acquired on QLAB can be stored to the IntelliSpace Cardiovascular database and are available in the IntelliSpace Cardiovascular Work Area, trending chart and in the clinical report (if configured). When a user clicks on a a2DQ measurement in IntelliSpace Cardiovascular, the system will display the corresponding image the measurement was acquired from.

Cardiac Motion/Mechanics Quantification (aCMQ) plug-in

Provides many robust and objective tools for assessment of Left Ventricle global function and regional wall motion, deformation and timing using next generation of 2D speckle tracking technology. aCMQ has an ability to extract a wide range of motion parameters from stored datasets at any time after the actual scan. This facilitates quality assurance, collaborative clinical decision making and case reviews without the need for re-scanning the patient.

- aCMQ includes direct access to a suite of methods either based on 2D speckle tracking technology
- Regional and global Strains among other parameters such as rotation and transmural torsion
- aCMQ adopts the LV 17 segmentation model and produce comprehensive regional (by view), by layer (Transmural, Endo, Epi) and global function using easy to read Bulls Eye plots
- The free Strain method offers a simple and intuitive way to assess local tissue motion and deformation
- AQ/CK and Tissue Motion Annular Displacement (TMAD) methods facilitate Global Left Ventricle function, volume and EF assessment

aCMQ stress

Designed to help objectify Stress Echo reading/review. aCMQ Stress plug-in offers a unique combination of Philips 2D PureWave images, Next generation of 2D speckle tracking and user a interface specifically designed for stress echo exams and around stress Echo users.

- User Interface that auto adapts to the Stress acquisition protocol
- Facilitating navigation and workflow with Stress Echo analysis
- Compatible with multiple cardiac views and stress echo stages
- Transmural, Endo+Epi, Endo, Epi layer waveforms and values from a single computing step
- Comprehensive Summary page that report LV 17 segments bulls-eye plots from each Stress stage side by side
- Cardiac phases overlay, AVO, AVC, MVO, MVC mechanical events via DICOM SR or manual entry
- Requires aCMQ plug-in

Intima Media Thickness (IMT) Quantification Plug-In

Provides automated measurements of intima media thickness in carotids and other superficial vessels.

Line #	Description	Qty
	<p>Eliminates the laborious process of manually positioning cursors, minimizing the time needed to complete an IMT study.</p> <p>Region of Interest (ROI) Quantification Plug-in</p> <p>Designed to increase the consistency and reliability of acoustic measurements while reducing the effort required to successfully carry out ROI analysis for contrast imaging, tissue analysis and color Doppler.</p> <p>Strain Quantification (SQ) Plug-in</p> <p>For evaluation of regional myocardial function, assessment of synchronicity and guidance during biventricular pacing procedures.</p> <p>Measures the myocardial velocity TDI data set.</p> <p>Derives the displacement, strain and strain rate along user-defined M-Lines.</p> <p>Includes ability to overlay the opening and closing of aortic and mitral valves on SQ curves to evaluate Left ventricle mechanical events.</p> <p>User-selectable waveform display makes SQ curves easier to read.</p> <p>Notes</p> <ul style="list-style-type: none"> • Compatible with iE33, iU22, CX50, HD15, HD11, SONOS, and HDI systems • Requires IntelliSpace Cardiovascular Core Software 	
5	<p>3D Bundle 1-2 CU</p> <p>3DQ Ultrasound Quantification</p> <p>The concurrent user license for three-dimensional ultrasound quantification (3DQ) provides floating access for a single user to utilize the quantification software. Option is available per user – required for 1 – 2 CU range.</p> <p>3DQ is powered by the 3D Quantification plug-ins of Philips QLAB 10. Users can select still frames or loops and append these to the patient exam in IntelliSpace Cardiovascular. The still frames or loops will be visible in the IntelliSpace Cardiovascular thumbnail page and available for review. To improve reporting efficiency and clinical workflow, measurements acquired on QLAB can be stored to the IntelliSpace Cardiovascular database and are available in the IntelliSpace Cardiovascular Work Area, trending chart and in the clinical report (if configured). When a user clicks on a QLAB measurement in IntelliSpace Cardiovascular, the system will display the corresponding image the measurement was acquired from.</p> <p>Cardiac 3D Quantification (3DQ) Plug-in</p> <p>Provides easy access to Live 3D, 3D Zoom, Full Volume and 3D Color data sets from the iE33, iU22 and SONOS 7500 Live 3D systems. Offers viewing, cropping, slicing and quantification such as distance measurements, area, Bi-plane LV Volume, Ejection Fraction (EF) and LV Mass calculations. 3DQ also provides Multi-Planar Reconstruction (MPR) views for unlimited anatomical planes from 3D volume and new 3D iSlice generation.</p> <p>Advanced 3D Quantification (3DQA) Plug-in</p> <p>Provides display and manipulation of dynamic three-dimensional rendering and Left ventricular (LV) volumes from the SONOS 7500 Live 3D and iE33 systems.</p> <ul style="list-style-type: none"> • Displays 3D Full volume renderings in grayscale or advanced colorization (map H) • Multi-Planar Reconstruction (MPR) views provide unlimited anatomical planes from 3D volume • New iSlice generation now compatible with all Philips Live 3D datasets including color data • Flexible short and long axis slicing tool to facilitate LV function visualization assessment • Measurements of LV endocardial volumes, stroke volume (SV) and true 3D ejection fraction (EF) using a semi-automated border detection in 3D space • Computes global and regional LV volumes based on the ACC's 17-segment model 	2

Line #	Description	Qty
	<ul style="list-style-type: none"> Displays global LV volume waveform and provides selective display of 17 regional volume waveforms Timing assessment for each 17 minimal regional volumes and determines a 3D synchronicity index for all volume segments or a user-selectable group of volume segments Comprehensive report with summary of synchronicity indexes, regional Timing and Radial Excursion Parametric Images in bull's eye representation 	

6	PDF Import Tool	1
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IntelliSpace Cardiovascular PDF Import Tool

The PDF Import Tool allows users the ability to import any PDF into IntelliSpace Cardiovascular which then creates an icon for the date and study type on the Cardiology Timeline and makes the document available for viewing via the Document Viewer Applet. Any document which is not a PDF, must first be converted to a PDF in order to use this tool.

Notes

- Requires IntelliSpace Cardiovascular Core Software.

7	ISCV Basic Package Implementation Services	1
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This item represents the implementation services for the IntelliSpace Cardiovascular Basic Software Package. The Statement of Work (SOW) or Project Scope Document (PSD) describes the deliverables and how the solution will be implemented within your environment.

8	ISCV Basic Pkg Training Services	1
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9	ISCV PDF Import Tool Implementation Svc	1
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10	New CV Solutions Core License	1
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The IBE Core software for Xcelera facilitates bidirectional communication between Xcelera and HL7compliant information systems (HIS/CIS) and DICOM compliant imaging modalities and informationsystems.

The core solution consists of an Orion Rhapsody Integration Engine and the Integration API Extension products (configurations) and includes a test server license.

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

- ADT/Orders and outbound
- Unformatted Results
- 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

Line #	Description	Qty
	<ul style="list-style-type: none"> 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 ECG Management option to provide access to electrocardiograms from certain ECG management systems from Xcelera, including Philips IntelliSpace ECG and GE MUSE 	

Requires:

- NITD593 New Xcelera/Echo theme License
- Xcelera 3.3 or newer
- Microsoft Windows Server 2008 R2
- Microsoft SQL 2008 R2
- Installation as member of the same domain as Xcelera

Note:

- For more detailed information relating to HL7 transactions refer to the HL7 Interface Specification documentation

The IBE Server software license provides a duplicate server license key for IBE for Xcelera 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.

- Professional Services charges apply

Compatibility

For the latest HL7 interoperability information, refer to the Xcelera/IBE HL7 integrations document
For the latest DICOM interoperability information, refer to the Xcelera/IntelliSpace Cardiovascular DICOM Conformance Statement

Customer Responsibilities for All Interfaces supported on IBE for Xcelera

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 external system(s), HL7 and DICOM protocols (for MWL and MPPS) and the authority to represent the clinical reporting needs and requirements of the organization and the clinical end-user should designated as a primary point-of-contact during implementation.

Note: IntelliBridge Enterprise requires a Software Maintenance Agreement with a minimum 1 year term

989801200779 New CV Solutions Core Impl Services : This item represents the implementation services. The Statement of Work (SOW) or Project Scope Document (PSD) describes the implementation deliverables.

11	New Xcelera/Echo Theme License	1
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Line #	Description	Qty
	<p>This option facilitates workflows in IntelliSpace Cardiovascular (or legacy Xcelera) Echo module and required to provide the Orion Rhapsody license to support Echocardiography workflow using ISCV (or legacy Xcelera)</p> <p>Requires:</p> <ul style="list-style-type: none"> NITD591 New CV Solutions Core License or NITD592 Existing CV Solutions Core License IntelliSpace Cardiovascular R1.2 or later (or legacy Xcelera R3.3 or later) <p>Note:</p> <ul style="list-style-type: none"> There are no Professional Services associated with this option 	
12	HL7 Orders Interface	1
	<p>This option facilitates the transmission of HL7 ORM/SIU messages between the hospital order management/scheduling system and Philips clinical systems. IntelliBridge Enterprise will interpret these HL7 ORM/SIU messages and propagate the Examination (Study) related information into the relevant clinical database.</p> <p>Requires:</p> <ul style="list-style-type: none"> NITD591 New CV Solutions Connection License or NITD592 Existing CV Solutions Connection License 989801200789 ISCV Orders IF Impl Services as implementation services <p>Note:</p> <ul style="list-style-type: none"> One additional option is required for each additional inbound interface For more detailed information relating to HL7 transactions refer to the HL7 Interface Specification documentation Professional Services charges apply 	
13	Formatted Output	1
	<p>The Xcelera Formatted Echo Results interface license provides the export of clinical reports to an external CIS or clinical repository via HL7 messages.</p> <p>The exported clinical reports have a consistent appearance to those displayed on the Xcelera ultrasound review application. Due to restrictions in the HL7 syntax, any embedded images and graphics (JPEG) on the original clinical report are removed before the report is sent to the external system.</p> <p>Additional data is encoded into the HL7 result message so that the CIS or clinical repository can compose a URL type (Web) message or an UNC type (shared file directory) message from this data. For example:</p> <ul style="list-style-type: none"> A URL message can be applied e.g. by an electronic medical system to retrieve the complete clinical report in HTML format directly from Xcelera A UNC message can be applied e.g. by a clinical repository system to retrieve the complete clinical report in PDF format directly from Xcelera <p>The interface provides the distribution of echo clinical reports to the enterprise, such as an electronic medical record (EMR) or hospital information system (HIS). Additionally, the Formatted Echo Results interface optimizes utilization of the Xcelera system by enhancing clinical</p>	

Line #	Description	Qty
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information sharing across the healthcare enterprise. The specific fields and format that can be exported are described in the Xcelera Formatted Echo Results specification document.

Facilitates selection of the following:

- HL7 UNC; An HL7 message containing a UNC reference can be applied by a compatible 3rd party system to directly retrieve a copy of a complete clinical report in PDF or TIFF format.
- HL7 URL; A HL7 message and sent to a compatible 3rd party system with a URL to a stored report
- ASCII Formatted Text; A ASCII formatted text report can be in a HL7 message and sent to a compatible 3rd party system
- HL7 Encapsulated PDF; A PDF can be encapsulated in a HL7 message and sent to a compatible 3rd party system

Requires:

- NITD591 New CV Solutions Connection License or NITD592 Existing CV Solutions Connection License

Note:

- For more detailed information relating to HL7 transactions refer to the HL7 Interface Specification documentation
- Professional Services charges apply

ISCV Formatted Output IF Impl Services : This item represents the implementation services. The Statement of Work (SOW) or Project Scope Document (PSD) describes the implementation deliverables.

14	DMWL 1-10	3
<p>The DMWL license provides fixed connectivity up to 10 modalities that support the DICOM MWL standard and a single Xcelera server.</p> <p>The interface facilitates forwarding procedure orders from a HIS/CIS to DICOM MWL compliant modalities 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.</p>		

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.

Requires:

- NITD591 New CV Solutions Connection License or NITD592 Existing CV Solutions Connection License
- 989801200780 ISCV DML Interface Impl as professional implementation services.
- Requires a hospital order entry system capable of sending HL7 orders messages
- Requires modalities capable of supporting DICOM MWL

Line #	Description	Qty
	<ul style="list-style-type: none"> Detailed information on the MWL and the supported work-list (query) parameters are described in the Xcelera/IntelliSpace Cardiovascular DICOM Modality Work-List specification document 	

Notes:

- Professional Service charges apply

15 **ISCV Orders IF Impl Services 1** **IntelliBridge Enterprise: Orders Interface Implementation**

Overview

This service provides implementation of the IntelliBridge Enterprise Orders Interface. The Orders Interface receives inbound orders messaging and provides the data to the Philips application. Specific details on this interface may be found in the IntelliBridge Enterprise HL7 specification.

Engagement Deliverables

Installation, testing, and verification of the IntelliBridge Enterprise Orders Interface software

Engagement Completion Criteria

Verification by Philips that the IntelliBridge Enterprise Orders Interface can import and utilize orders messages for the test and/or production environments; which conform to Philips ORM message specifications, via TCP/IP communication

Customer Responsibilities

- Provide interface analyst able to make mapping changes on HIS or enterprise integration engine needed to make HL7 transactions match the Philips specifications when needed
- Provide a clinical resource for verification of data as it has been populated in Philips application
- Make personnel and equipment available for testing
- Provide list of orderable procedures that may be received by the IntelliBridge Enterprise system
- Assure Philips applications are at the appropriate software revision for compatibility with IntelliBridge Enterprise

Estimating Assumptions on Work

- The IntelliBridge Enterprise Orders Interface and services are delivered concurrently with implementation of the Philips solution
- Once implementation has begun, no significant changes that directly impact the Orders development will be made to the HIS/RIS or network topography until development is complete
- Before delivery of software and services occurs, site must be accessible through the Philips Remote Services Network

Line #	Description	Qty
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Limitations on Work

- Mapping will be done at the time of interface implementation and is an iterative process through the testing period
- Mapping is limited to those fields available to IntelliBridge Enterprise as identified in the interface specification document

16	CV Solutions Core Implementation Services	1
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This item represents the ISCV CV Solutions Core implementation services. The Statement of Work (SOW) or Project Scope Document (PSD) describes the implementation deliverables.

17	ISCV Formatted Output IF Impl Services	1
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This item represents the implementation services. The Statement of Work (SOW) or Project Scope Document (PSD) describes the implementation deliverables.

18	ISCV DML Interface Impl Services	1
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IntelliBridge Enterprise: DICOM Modality Worklist (DMWL) Implementation

Overview

This service provides the installation of IntelliBridge Enterprise DICOM Modality Worklist Management (MWLM) Software package for the specified number of DICOM modalities. The software provides the required components to facilitate HL7 orders to DICOM Modality Worklist Management. Specific details on the interface component are found in the IntelliBridge Enterprise HL7 Specification and IntelliBridge Enterprise DICOM Conformance Statement.

Engagement Deliverables

Installation, testing, and verification of the IntelliBridge Enterprise DICOM Modality Worklist Management Software license

Engagement Completion Criteria

- Verification by Philips that the IntelliBridge Enterprise DICOM Modality Worklist Management software can process Orders messages, which conforms to Philips Orders message specifications and the DICOM modalities to successfully query for the DMWL
- In the absence of an Orders system and DICOM modalities, Philips verifies functionality using an HL7 message simulator and DICOM modality simulator

Customer Work Contributions

- Provide interface analyst able to make mapping changes on HIS or enterprise integration engine needed to make HL7 transactions match the Philips specifications when needed
- Make personnel and equipment available for testing
- Verify all modalities are capable and licensed for DICOM Modality Worklist
- Provide Philips with DICOM Conformance Statement for any non-Philips modalities upon request
- Customer responsible for modality configuration to point to IntelliSpace Cardiovascular image server

Line #	Description	Qty
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Estimating Assumptions on Work

- IntelliBridge Enterprise DICOM Modality Worklist Management Software and Services are delivered concurrently with implementation of the Philips solution
- Before delivery of software and services occurs, site must be accessible through the Philips Remote Services Network

Limitations on Work

Services do not include reconfiguration or mapping of fields to deviate from the specifications described in the IntelliBridge Enterprise DICOM Modality Worklist Specification

19	Onsite ISCV PS Hours (8 Hours)	2
	IntelliSpace Cardiovascular Application Training, Onsite – 8hrs	

Overview

A Philips Consultant(s) will provide IntelliSpace Cardiovascular application training to physicians, technologists, sonographers, and administrative staff on how to master new ways for collecting, analyzing, reporting, archiving, and maintaining clinical data within the IntelliSpace Cardiovascular application. Philips uses a “train the trainer” approach to the IntelliSpace Cardiovascular application training.

Engagement Deliverables

- A customer specific training plan is developed
- A maximum of one (1) eight-hour day of training per quantity of service purchased, delivered consecutively during a single event.
- The number of training sessions held within the training day and the hours of training delivered per session varies depending on the knowledge base and speed of learning of the attendees.
- Philips will provide a training checklist for trainees to manage the delivery of the training objectives. The training objectives may vary by customer need.

Engagement Completion Criteria

- Training checklist of objectives is delivered to the respective customer designated trainees.
- Philips Consultant has delivered a maximum of eight (8) hours of IntelliSpace Cardiovascular onsite application 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.
- Customer should designate a person(s) to act as the resident IntelliSpace Cardiovascular expert following the clinical training. This person(s) will be available to train with the Philips Consultant the entire training period. Following initial sessions on all aspects of the configuration and setup, this person(s) will assist in training additional staff.

Line #	Description	Qty
	<ul style="list-style-type: none"> • Training days will be scheduled in advance. Philips should be notified in advance of any cancellation or rescheduling of the scheduled training dates. • Attendees must be familiar with basic PC and Microsoft Windows application skills and well versed with digital image acquisition as defined by their departmental modality devices. 	

Estimating Assumptions on Work

- Customer personnel and resources, defined in the project plan are made available at the times defined by the project plan.
- IntelliSpace Cardiovascular software purchased and system installed before delivery of this service.
- Maximum of eight hours of training delivered in a single event

20	Cardiac US Report Customization Svc	1
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Overview

A Philips Consultant provides IntelliSpace Cardiovascular report configuration services for use in displaying, printing and storing your cardiovascular ultrasound results and diagnostic interpretations using the IntelliSpace Cardiovascular Information Management System.

Features

- Provides client with training on how to customize IntelliSpace Cardiovascular using the configuration tools
- Provides client with a flexible, simple reporting solution that can be customized to meet the needs of the cardiovascular ultrasound lab.
- Provides limited HTML modification services to include: customization of report header/logo, adjusting the order of existing report sections, formatting of the patient demographic table, adding IntelliSpace Cardiovascular database fields to the report, and modifying finding code formatting (numbered list, bulleted list, or paragraph).

Engagement Deliverables

- Provides limited HTML modification services to include: adjusting the order of existing report sections, adding normal values, formatting of the patient demographic table, adding IntelliSpace Cardiovascular database fields to the report, and modifying finding code formatting (numbered list, bulleted list, or paragraph).
- Philips will work with your designated clinical administrator(s) on how to perform product customization on the behalf of the clinical department.
- Philips will provide up to eight (8) hours of configuration training
- Philips will provide up to sixteen (16) hours of remote report customization

Engagement Completion Criteria

- Selected report templates have been configured and tested.
- Philips Consultant has delivered one day of training/consulting.

Customer Work Responsibilities

Line #	Description	Qty
	<ul style="list-style-type: none"> • Customer should designate a clinical administrator as focal point with the knowledge and authority to represent the clinical reporting needs and requirements of the organization and the clinical end-user. • After delivery of report customization service, the clinical administrator is responsible for any additional modifications. • To optimize training results, Philips requests that trainees clear their schedules to ensure focused availability during training sessions. • Training days will be scheduled in advance. Philips should be notified in advance of any cancellation or rescheduling of the scheduled training dates. 	

Estimating Assumptions on Work

The IntelliSpace Cardiovascular software has been purchased and installed before delivery of this service.

Limitations on Work

- Information to be displayed on the report is limited to the data stored in IntelliSpace Cardiovascular.
- The structure of the report is limited to related data being grouped in one area of the report and to standard HTML and JavaScript design protocols.
- HTML and JavaScript report template changes which require the development of new JavaScript code

21	ISCV Web Reporting PS Hours	1
	ISCV Web-based echo reporting provides clinicians diagnostic quality images and reporting capabilities "anytime, anywhere" through remote access.	
	ISCV Web Reporting is currently available for the following study types:	
	<ul style="list-style-type: none"> - Adult Echo - Stress Echo (Limited) - TEE - Pediatric (No Zscores) 	
22	1-DAY XCELERA CES PURCHASED ONSITE	1
	1 Day On-Site CES – Ultrasound training designed specifically to meet the customers' needs; one business day (up to 8 consecutive hours) with one of our Philips Clinical Education Specialists. Education is provided Monday-Friday during normal business hours.	
	<p>**Note: Philips Healthcare personnel are not responsible for actual patient contact or operation of equipment during education sessions except to demonstrate proper equipment operation. The training sessions should be attended by Ultrasound Sonographers as identified by the department director. Site must be patient-ready.</p>	
	Purchased Education expires one (1) year from equipment installation date or purchase date if sold separately.	
23	HIT OnSite Clinical Education, 8 Hrs	1

Line #	Description	Qty
	Clinical Education Specialists will provide eight (8) hours of tailored Healthcare IT OnSite Education for up to four (4) students, selected by customer, including technologists from night/weekend shifts if necessary. CEUs are not available in all cases. Please read Guidelines for more information, which will be provided to you during the scheduling process. Note: Philips personnel are not responsible for actual patient contact or operation of equipment during education sessions except to demonstrate proper equipment operation. Education expires one (1) year from the earlier of equipment delivery date or purchase date. except to demonstrate proper equipment operation. Education expires one (1) year from the earlier of equipment delivery date or purchase date.	

24	<p>ISCV Key User Course</p> <p>Overview:</p> <p>This course provides the learner with the knowledge and skills required for a successful IntelliSpace Cardiovascular implementation by the Clinical Super User. This training is designed for new IntelliSpace Cardiovascular Clinical Super Users (Sonographers, Systems Analysts, PACS Administrators) who are unfamiliar with the clinical features of the IntelliSpace Cardiovascular application and implementation process.</p> <p>The course includes a combination of eLearning modules and Instructor-led Training (ILT).</p> <ul style="list-style-type: none"> • The interactive, eLearning modules will focus on key functions and transactions in the system and will be made available to the learner prior to the ILT portion of the training and are a prerequisite. These modules will provide a combination of foundational knowledge and interactive system simulations. Each module will include knowledge checks and a final assessment to ensure that the participant understands the concepts and how to implement them. Finally, participants will be able to revisit these modules as part of ongoing performance support. • The ILT Class will focus on providing the learner with a simulated "Day-in-the-Life" experience with IntelliSpace Cardiovascular. The class is taught using a combination of demonstrations and hands on experience. This intensive face-to-face portion of the course will take place at a designated Philips learning facility. 	1
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Features:

Individuals who complete the prerequisite eLearning modules and attend the Instructor-led portion of the training should be able to:

- Describe the function of each of the components comprising the IntelliSpace Cardiovascular network
- Identify how to meet the demands of the hospital's rigid user security requirements by utilizing the security features of the IntelliSpace Cardiovascular
- Apply both the User Centric Cardiovascular Workspace layer and the Patient Centric Cardiovascular Workspace layer when selecting the various Applets to formulate the presentation of relevant information
- Review the steps to get a detailed overview of a chosen patient's cardiac history
- Apply all the necessary features of the Search and Worklist Applets based on the role of the user
- Perform the diverse types of cases from beginning to end and incorporate all aspects of the case into an electronic medical record.

Recommended Attendees: (This course is not recommended for installations that use only Cath, NM or View Forum applications)

- IntelliSpace Cardiovascular Clinical Super Users (Sonographers, System Analysts, PACS Administrators)
- The prospective student should have knowledge of clinical procedures and facility workflow, basic PC knowledge of Windows OS (copy, paste, find files, keyboard and mouse usage).

Engagement Deliverables:

- Successful completion of IntelliSpace Cardiovascular Clinical Super User prerequisite

Line #	Description	Qty
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eLearning modules is required prior to attending this course.

- Completion of the instructor-led portion of the training, covering the features listed above with the addition of a final exam.

Engagement Completion Criteria:

- Attendance of one person at IntelliSpace Cardiovascular Clinical Super User ILT Course
- The trainee has completed the prerequisite eLearning modules and attended the instructor-led portion of the training

Customer Work Contributions:

- Successful completion of the IntelliSpace Cardiovascular Clinical Super User Pre-Requisite eLearning modules is required prior to registration for this course.
- The eLearning modules are located on the Philips Learning Management System
- Attendance and completion of the ILT Course

Estimating Assumptions on Work:

- Customer personnel and resources, defined in the project plan are made available at the times defined by the project plan.
- Training is held at a designated Philips Training Center location.

Limitations on Work:

- Training allocation 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.

o Travel includes: round-trip airfare, round-trip transportation from the airport (in CA) to the hotel and \$40-per-day hotel food credit; a catered lunch will be provided daily at the training center. Any expenses incurred outside the specified expense guidelines mentioned above, are the sole responsibility of the training participants and will not be reimbursed by Philips.

25	ISCV Advanced Technical Training	1
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Overview:

This course provides the learner with the knowledge and skills required for a successful IntelliSpace Cardiovascular Installation. This training is designed for new IntelliSpace Cardiovascular customers who are unfamiliar with the IntelliSpace Cardiovascular application installation process.

The course includes a combination of eLearning modules and Instructor-led Training (ILT).

- The interactive eLearning modules will focus on key functions and transactions in the system and will be made available to the learner prior to the ILT portion of the training and are a prerequisite. These modules will provide a combination of foundational knowledge and interactive system simulations. Each module will include knowledge checks and a final assessment to ensure that participant understands the concepts and system use. Finally, participants will be able to revisit these modules as part of ongoing performance support.

- The ILT will focus on providing the learner with a simulated "Day-in-the-Life" experience with IntelliSpace Cardiovascular. The class is taught using a combination of demonstration and hands on experience. This intensive face-to-face portion of the course will take place at a designated Philips learning facility.

Line #	Description	Qty
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Features:

Individuals who complete the prerequisite eLearning modules and attend the Instructor-led portion of the training should be able to:

- Describe the function of each of the components comprising the network
- Properly use the system to monitor and troubleshoot any procedure type by using IntelliSpace Cardiovascular features
- Diagram the data flow of a case throughout the exam life-cycle

Recommended Attendees:

- Biomedical Technicians and System Administrators
- The prospective student should have knowledge of clinical procedures and facility workflow, basic PC knowledge of Windows OS (copy, paste, find files, keyboard, and mouse usage).

Engagement Deliverables:

- Successful completion of IntelliSpace Cardiovascular Pre-Requisite eLearning modules is required prior to attending this course.
- Completion of the Instructor-led portion of the training, covering the features listed above with the addition of a final exam.

Engagement Completion Criteria:

- Attendance of one person at IntelliSpace Cardiovascular Installation Instructor-led Training Course
- The trainee has completed the prerequisite eLearning modules and attended the instructor-led portion of the training

Customer Work Contributions:

- Successful completion of the IntelliSpace Cardiovascular Pre-Requisite eLearning modules is required prior to registration for this course.
- The eLearning modules are located on the Philips Learning Center
- Attendance and completion of the Instructor-led Training Course

Estimating Assumptions on Work:

- Customer personnel and resources, defined in the project plan are made available at the times defined by the project plan.
- Training is held at a designated Philips' Training Center location.

Limitations on Work:

- Training allocation is good for one (1) year from the purchase date. Any unused training will expire after this time.

Line #	Description	Qty
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- Training classes are scheduled in advance and registration is on a first come, first served basis.
- Notify Philips a minimum of two (2) weeks in advance of any changes to registration.