

Migrations Reference Guide

IMPAX 5.2 or 5.3 or WEB1000 to IMPAX 6.5.1

Information for Sites Migrating from IMPAX 5.2 or 5.3
or Transitioning from WEB1000



| see more | do more |

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Applicable scope of the IMPAX Client product: the acquisition, display, processing, printing, and sending of medical images.



Note: The IMPAX 6.5.1 software complies with the Council Directive 93/42/EEC Concerning Medical Devices, as amended by Directive 2007/47/EC.

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- The electrical installation of the site in which the equipment is used is according to an applicable safety standard (UL, CSA, or IEC/CDE).
- The equipment is used according to the instructions provided in the operation manuals.
- No software other than that which is distributed with this package or is sanctioned by Agfa will reside on the IMPAX 6.5.1 computers.

Giving feedback on the documentation

(Topic number: 122201)

Thank you for taking the time to provide feedback. Your comments will be forwarded to the group responsible for this product's documentation.

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For example, "IMPAX 6.4 SU01 Client Knowledge Base: Extended". (You can find this information in the footer of the publications.)

2. Describe the incorrect, unclear, or insufficient information. Or, if you found any sections especially helpful, let us know.
3. Provide topic titles and topic numbers where applicable.

Including your personal contact details is optional.

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Getting started

1

Understanding IMPAX and these hardware and software components will help ensure successful installations and upgrades for sites upgrading from IMPAX 5.2 or 5.3 or transitioning from WEB1000. This guide is not applicable to sites upgrading from IMPAX 6.2 or later.

What is IMPAX 6.5.1?

(Topic number: 7749)

IMPAX 6.5.1 combines the traditional activities of RIS informatics management with PACS image management to provide a powerful platform for imaging-based planning, interpretation, and results distribution. IMPAX 6.5.1 enables data sharing and data synchronization in a macro enterprise using a central Data Center.

The IMPAX 6.5.1 Client focuses on the integration of PACS, RIS, and Reporting applications into a single delivery of information. A single IMPAX 6.5.1 Client application can be used by a range of users on any appropriate, networked workstation they have access to.

IMPAX cluster overview

(Topic number: 7791)

Every IMPAX installation is based on the following main components:

- Network Gateway
- Archive Servers
- Oracle Server or SQL Server

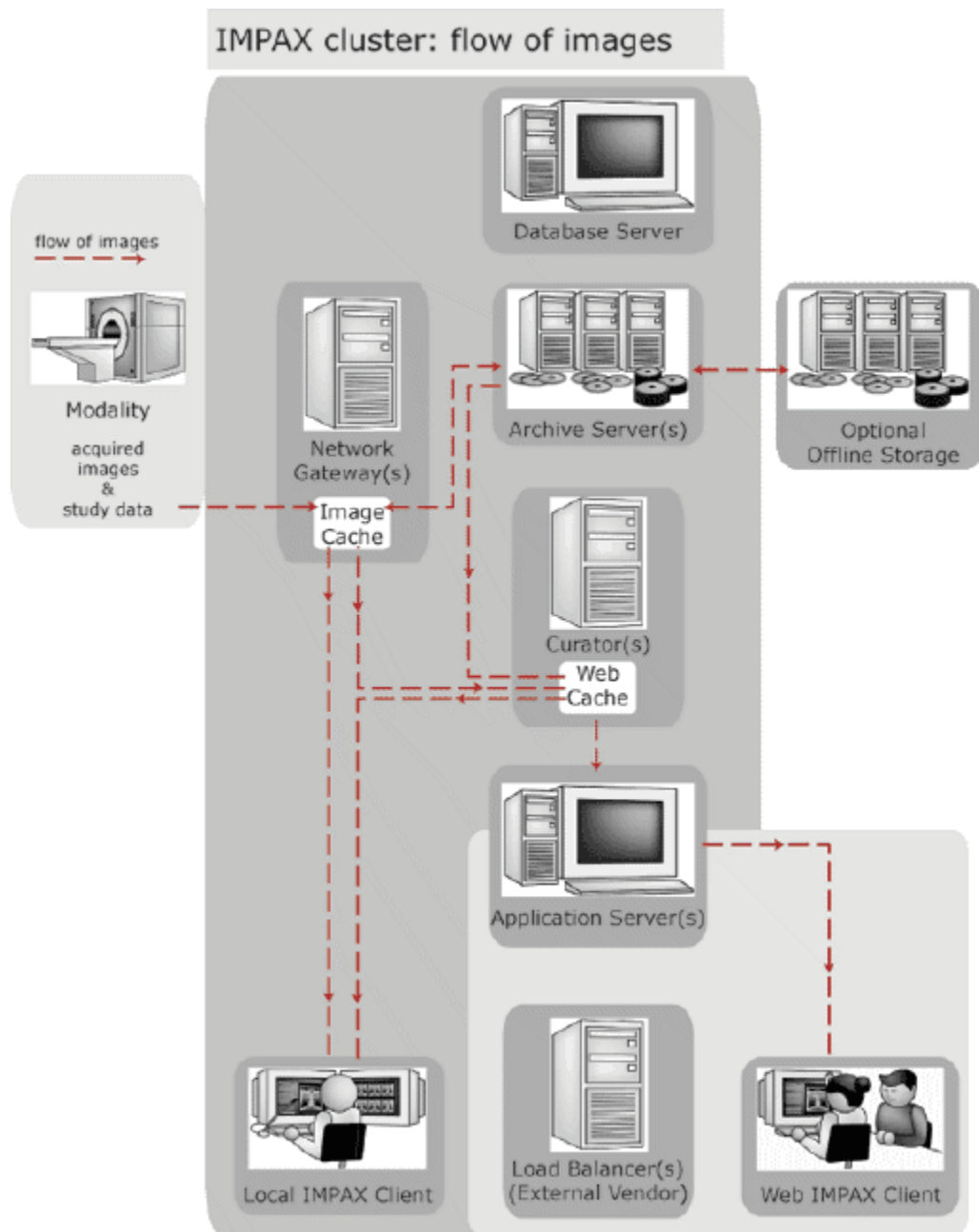
- Application Server
- Curator
- IMPAX Clients—local and remote

The sum of these components is called the *cluster*. An IMPAX cluster is the set of core IMPAX components that contains one database. SPFTP/ASPFTP is used for communication within the IMPAX cluster. Any third-party display stations are considered to be outside the cluster. They use DICOM to communicate with the cluster.

A typical installation has a Database Server, one or more Archive Servers, one or more Network Gateways, and one or more Curators. A third-party load balancer is optional, to help handle many Clients. Local Clients are spread throughout the entire enterprise, and remote Clients outside the enterprise firewall. These Clients connect to one or more Application Server machines, either directly or through a load balancer. The Application Server acts much like a proxy machine to handle security, authentication, and communication with the IMPAX Server components.

When images are transmitted to the IMPAX cluster, the Network Gateway performs validation of the study images and data. Validation requires the Network Gateway to query the HIS/RIS and ensure that the study and patient demographics match what is currently incoming from a modality or a transmit device. If the validation is successful, the images are “allowed” into the system. The Database Server collects and manages all patient and study demographic data.

The IMPAX Clients, both local and remote, are used to view study images. Local Clients can get images directly from the Network Gateway image cache. If images have been archived, the Network Gateway image cache gets them from the Archive Server. The Curator generates compressed wavelet images and stores them in a web cache, which may also be seen by local Clients. When a study is diagnosed and dictated, the status of the study is updated at the Database Server, and when a report is generated, it is forwarded to the HIS/RIS.



Key differences between WEB1000 and IMPAX 6.5.1

(Topic number: 6664)

The following table highlights the major differences between WEB1000 and IMPAX 6.5.1:

WEB1000	IMPAX 6.5.1
Search Wizards	<p>Worklists</p> <p>A worklist is collection of patients and their studies. For radiologists, the worklist is analogous to a pile of film jackets. They use the worklist to know which studies they must interpret during a specific time period. For technologists, a worklist is a list of the studies they must perform at specific times for each patient.</p>
Teams	<p>Roles</p> <p>A role is a collection of users or other roles that holds permissions and preferences as well as licensing options. For example, a role can represent the enterprise, the institution, a department, or a team.</p>
Thumbnail navigation area	<p>Thumbnails are displayed in the Available Series palette in the Image area.</p>
Minimal conferencing capabilities	No conferencing capabilities

A more complete list of differences is provided in *WEB1000 and IMPAX 6.5.1 feature comparison* (refer to page 84).

Valid IMPAX upgrade paths

(Topic number: 6607)

Sites can upgrade to IMPAX 6.5.1 from any of these versions of IMPAX (supported versions include any applicable SUs):

- IMPAX 5.2.5—hereafter referred to as IMPAX 5.2
- IMPAX 5.3.1, 5.3.2—hereafter referred to as IMPAX 5.3
- IMPAX 6.2.1—hereafter referred to as IMPAX 6.2
- IMPAX 6.3.1—hereafter referred to as IMPAX 6.3
- IMPAX 6.4
- IMPAX 6.5

For more detailed information, refer to the *IMPAX 5.x - 6.x Service Update and Hot Fix Migration Paths* spreadsheet in the “Additional documents” section of the IMPAX Knowledge Base > Main Knowledge Base Page.



Important!

We recommend checking the migration log file after each leg of an upgrade before moving onto the next leg.

Additional information:

- AS3000 (Solaris) servers can upgrade to IMPAX 6.5.1 from any of the previously mentioned versions of IMPAX on Solaris 9 or 10. Existing Solaris 9 servers must upgrade to Solaris 10 when upgrading to IMPAX 6.5.1.
- Windows Server 2008 and Windows Server 2003 are supported on IMPAX AS300 servers. Windows 2008 is supported for fresh installations only; unless already on Windows 2008, Windows 2003 must continue to be used for upgrades.
- For IMPAX AS300 upgrades, SQL Server 2008 is supported.
- To upgrade an IMPAX AS300 cluster from SQL Server to Oracle, contact Agfa Professional Services for assistance. The SQL Server to Oracle migration process is not documented in this guide.
- The Application Server platform is either Windows Server 2003 or Windows Server 2008. Windows 2008 is supported for fresh installations only; unless already on Windows 2008, Windows 2003 must continue to be used for upgrades. All Application Servers in a cluster must use the same operating system—either Windows 2003 or Windows 2008.
- A site running IMPAX 4.5 can migrate its user data—passwords, IDs, and most preferences—to IMPAX 6.5.1. However, database data cannot be upgraded directly from IMPAX 4.5 to IMPAX 6.5.1. The IMPAX 4.5 database must first be upgraded to IMPAX 5.2.5, then to IMPAX 6.5.1.

Valid cluster configurations

(Topic number: 10763)

For cluster configurations, the following upgrade paths are supported:

- Current single-cluster configuration to equivalent single-cluster configuration
- Single-host AS300 to multi-host AS300
- Single-host AS3000 to mixed-host AS300/AS3000
- Multi-cluster configuration to multi-cluster configuration

If your IMPAX configuration is not listed, contact your service representative.

When considering whether to move from single-host to a multi-host or a mixed-host configuration, assess current performance of the system. If it is only borderline acceptable, you may want to also upgrade the configuration to achieve better performance.

When upgrading from a single-host to a multi-host or mixed-host configuration, consider the sizing and expected load on each server to take best advantage of the additional servers. For example, moving the Curator component to its own server is generally more beneficial than moving the Network Gateway component to its own server.

Related documentation

(Topic number: 6634)

IMPAX includes documentation for IMPAX Client, IMPAX Application Server, and IMPAX Server. The documentation is released on its own DVD. This DVD includes the Upgrade and Migration Guides along with the IMPAX 6.5.1 Knowledge Bases, Installation Guides, Configuration Guides, Task Summaries, and Quick References.

The documentation eventually must be installed on an IMPAX 6.5.1 Application Server. In the interim, however, the documentation can be installed on any Windows-based computer or be viewed right on the DVD.

The default.htm file at the root of the Documentation DVD and the installation directory links to all available documentation.

IMPAX Knowledge Bases

(Topic number: 6676)

These online references are intended for clinical, administrative, and service personnel.

Opening the IMPAX Client Knowledge Base

(Topic number: 57452)

The IMPAX 6.5.1 Client Knowledge Base: Extended is a comprehensive set of information that details how radiologists, clinicians, specialists, and PACS administrators configure and use the IMPAX Client software. The Knowledge Base provides targeted getting started information, concepts, and tasks for various user groups, and focuses on task-based and workflow-based information.

The IMPAX Client Knowledge Base: Core is available in 19 languages. The IMPAX 6.5.1 Client Knowledge Base: Extended is available in English. Any or all languages can optionally be installed and can be viewed on the Documentation DVD.

Viewing the Client Knowledge Base from the documentation DVD

(Topic number: 57437)

All IMPAX Knowledge Bases, including the IMPAX Client Knowledge Base, can be viewed directly from the IMPAX documentation DVD.

To view the Client Knowledge Base from the documentation DVD

1. Insert the IMPAX documentation DVD.
2. Navigate to /docs/client/knowledge_base.
3. Double-click **default.htm**.
4. Select the appropriate language for the IMPAX Client Knowledge Base.

Opening the Client Knowledge Base from the List, Text, or Configure area (Topic number: 57440)

Once the IMPAX documentation is installed, you can access it from the IMPAX Client application.

To open the Client Knowledge Base from the List, Text, or Configure area

1. Press **F1**.

or

From the List or Configure area bar, click **Help**.

The home (or main) page of the Client Knowledge Base opens in a browser window. It normally appears in the same language used for the IMPAX interface; for example, if working with IMPAX in French, the French Knowledge Base opens. If the Knowledge Base is not available in the interface language (usually because that Knowledge Base was not installed), you must manually redirect the URL to the English Knowledge each time you open the Knowledge Base.

Opening the IMPAX 6.5.1 Application Server Knowledge Base

(Topic number: 40098)

This Knowledge Base covers how to configure and maintain the IMPAX Application Server.

Viewing the Application Server Knowledge Base from the documentation DVD

(Topic number: 58005)

All IMPAX Knowledge Bases, including the IMPAX 6.5.1 Application Server Knowledge Base, can be viewed directly from the IMPAX documentation DVD.

To view the Application Server Knowledge Base from the documentation DVD

1. Insert the IMPAX documentation DVD.
2. Navigate to /docs/appserver/knowledge_base.
3. Double-click **default.htm**.

Opening the IMPAX 6.5.1 Application Server Knowledge Base from the Configuration Tool software

(Topic number: 57999)

Once the IMPAX documentation is installed, you can access the IMPAX 6.5.1 Application Server Knowledge Base from the Business Services Configuration Tool software.

To open the IMPAX 6.5.1 Application Server Knowledge Base from the Configuration Tool software

1. Select **Start > All Programs > Agfa HealthCare > Business Services > Configuration Tool**.
2. In the Business Services Configuration Tool, click **Help**.

Opening the IMPAX 6.5.1 Server Knowledge Base

(Topic number: 11528)

The IMPAX 6.5.1 Server Knowledge Base is a reference tool for PACS IT specialists and clinical coordinators, field engineers, and technical launch team members, primarily to help them understand

and use the components of the IMPAX cluster. The Server Overview component provides a basic understanding of the IMPAX system and introduces users to key components and concepts.

Viewing the Server Knowledge Base from the documentation DVD (Topic number: 57901)

All IMPAX Knowledge Bases, including the IMPAX Server Knowledge Base, can be viewed directly from the IMPAX documentation DVD.

To view the Server Knowledge Base from the documentation DVD

1. Insert the IMPAX documentation DVD.
2. Navigate to `/docs/server/knowledge_base`.
3. Double-click **default.htm**.

Opening the Server Knowledge Base from the Administration Tools (Topic number: 57892)

Once the IMPAX documentation is installed, you can access it from the IMPAX Administration Tools interface.

To open the Server Knowledge Base from the Administration Tools

1. Select **Help > Help URL**.
A new browser window opens and loads the IMPAX Documentation page.
2. Under Knowledge Bases, click the **IMPAX Server Knowledge Base** link.

IMPAX installation, configuration, and upgrade guides

(Topic number: 6677)

These PDF guides are intended for service and administrative personnel. They contain all the information needed to install, upgrade, and configure an IMPAX cluster.



Note:

To view the IMPAX PDF guides on a computer, Adobe Reader must be installed.

Opening a PDF guide from the documentation DVD (Topic number: 57808)

All IMPAX guides can be viewed directly from the IMPAX documentation DVD.

To open a PDF guide from the documentation DVD

1. Insert the IMPAX documentation DVD.
2. Navigate to `/docs/{server | appserver | client}/guides`.
3. Double-click the file name of the PDF guide.

Opening a PDF guide from where the documentation is installed

(Topic number: 57811)

Once the IMPAX documentation is installed, you can access the PDF guides from a connected computer.

To open a PDF guide from where the documentation is installed

1. Open a browser window.
2. Navigate to https://application_server_name/documents/
where `application_server_name` is the name of the server where the IMPAX documentation is installed.
3. Under Upgrade and migration or Installation and configuration, click the title of the guide to view.

IMPAX Client guide

(Topic number: 6680)

Title	File name	Provides instructions on
IMPAX 6.5.1 Client Installation, Upgrade, and Configuration Guide	<code>impax_client_install.pdf</code>	<ul style="list-style-type: none">• Installing the IMPAX Client and related software in a standard configuration• Upgrading the IMPAX 5.2, 5.3, or 6.2 or later Client workstation to IMPAX 6.5.1• Initially configuring the Client

IMPAX Application Server guide

(Topic number: 6683)

Title	File name	Provides instructions on
IMPAX 6.5.1 Application Server Installation, Upgrade, and Configuration Guide	<code>impax_application_server_install.pdf</code>	<ul style="list-style-type: none">• Installing the operating system, IMPAX documentation, and IMPAX Application Server software• Upgrading the Application Server to IMPAX 6.5.1• Initial configuration of the IMPAX Business Services and other post-installation configuration tasks

IMPAX Server guides
(Topic number: 6673)

Title	File name	Provides instructions on
IMPAX 6.5.1 Preparing to Upgrade Guide—IMPAX 4.5, 5.2, 5.3, or WEB1000 to IMPAX 6.5.1	impax_5x_premigration_guide.pdf	Preparing to upgrade an IMPAX 4.5, 5.2, or 5.3 cluster to IMPAX 6.5.1, and how to transition from WEB1000 to IMPAX 6.5.1. Covers both AS300 and AS3000 clusters. If these preliminary tasks are not performed, the upgrade will not succeed.
IMPAX 6.5.1 Preparing to Upgrade Guide—IMPAX 6.2 or later to IMPAX 6.5.1	impax_6x_premigration_guide.pdf	Preparing to upgrade an IMPAX 6.2 or later cluster to IMPAX 6.5.1. Covers both AS300 and AS3000 clusters. If these preliminary tasks are not performed, the upgrade will not succeed.
IMPAX 6.5.1 AS300 Upgrade and Migration Guide—IMPAX 5.2 or 5.3 to IMPAX 6.5.1	impax_5x_as300_upgrade.pdf	Upgrading an IMPAX 5.2 or 5.3 cluster to an IMPAX 6.5.1 AS300 host.
IMPAX 6.5.1 AS3000 Upgrade and Migration Guide—IMPAX 5.2 or 5.3 to IMPAX 6.5.1	impax_as3000_5x_upgrade.pdf	Upgrading an IMPAX 5.2 or 5.3 cluster to an IMPAX 6.5.1 AS3000 host.
IMPAX 6.5.1 AS300 Installation and Configuration Guide	impax_as300_install.pdf	Installing and initially configuring hardware and software on AS300 Database, Archive, and Network Gateway servers. This guide covers single-server, all-in-one, single-host, and multi-host configurations.
IMPAX 6.5.1 AS3000 Installation and Configuration Guide	impax_as3000_install.pdf	Installing and initially configuring hardware and software on AS3000 Database, Archive, and Network Gateway servers.
IMPAX 6.5.1 Curator and CD Export Server Installation Guide	impax_curator_install.pdf	Installing and initially configuring the Curator and the CD Export server.
IMPAX 6.5.1 Standalone Installation and Configuration Guide	impax_standalone_install_guide.pdf	Installing and initially configuring an IMPAX standalone station. A standalone station has IMPAX Client,

Title	File name	Provides instructions on
		Application Server, and Server components installed on a single computer.
IMPAX 6.5.1 Standalone Upgrade Guide	impax_standalone_upgrade_guide.pdf	Upgrading an IMPAX standalone station. A standalone station has IMPAX Client, Application Server, and Server components installed on a single computer.

IMPAX Task Summary references

(Topic number: 65012)

The Task Summary references provide only the main steps of the primary pre-migration and upgrade tasks. They can serve as a quick reminder of what to do, but do not provide all the information necessary to a successful upgrade.



CAUTION!

The Task Summary references are intended for advanced system administrators. The references provide no context on when and why to perform the tasks. For complete information, refer to the full Preparing to Upgrade and Upgrade guides.

Title	File name	Tasks summarized in publication
AS300 Upgrade Tasks Summary—IMPAX 5.2 or 5.3 to IMPAX 6.5.1	impax-5x-as300-upgrade-summary.pdf	Upgrading the components of an AS300 cluster from IMPAX 5.2 or 5.3 to IMPAX 6.5.1.
AS3000 Upgrade Tasks Summary—IMPAX 5.2 or 5.3 to IMPAX 6.5.1	impax-5x-as3000-upgrade-summary.pdf	Upgrading the components of an AS3000 cluster from IMPAX 5.2 or 5.3 to IMPAX 6.5.1.
Preparing to Upgrade Tasks Summary—IMPAX 4.5, 5.2, 5.3, or WEB1000 to IMPAX 6.5.1	impax-5x-premigration-summary.pdf	Preparing to upgrade the components of an AS300 or AS3000 cluster from IMPAX 4.5, 5.2, 5.3, or WEB1000 to IMPAX 6.5.1.

IMPAX 6.5.1 Migrations Reference Guide

(Topic number: 6655)

The *IMPAX 6.5.1 Migrations Reference Guide* contains information to assist in the migration from WEB1000, IMPAX 4.5, IMPAX 5.2, or IMPAX 5.3 to IMPAX 6.5.1. Among the information available is the following:

- IMPAX 5.2 preferences migrated to IMPAX 6.5.1

- IMPAX 5.2 and WEB1000 to IMPAX 6.5.1 feature comparison
- IMPAX 5.2 and IMPAX 6.5.1 permissions and privilege comparison
- IMPAX 5.2 database tables rendered obsolete in IMPAX 6.5.1
- Default operations assigned to each default role

This guide is installed with both Server and Client documentation, in the same folder as the installation, upgrade, and configuration guides. Its file name is `impax-migration-reference.pdf`.

IMPAX Quick References

(Topic number: 54853)

Quick References are intended for clinical users. These abbreviated publications provide instructions for commonly performed tasks and frequently required references. For ease of access, Quick References can be printed (double-sided if possible) and posted at Client workstations.



Note:

To view the IMPAX Quick References on a computer, Adobe Reader must be installed.

Opening a Quick Reference from the documentation DVD

(Topic number: 57817)

All IMPAX Quick References can be viewed directly from the IMPAX documentation DVD.

To open a Quick Reference from the documentation DVD

1. Insert the IMPAX documentation DVD.
2. Navigate to `/docs/{server|client}/quick-references`.
3. Double-click the file name of the Quick Reference to open.

Opening a Quick Reference from where the documentation is installed

(Topic number: 57823)

Once the IMPAX documentation is installed, you can access the Quick References from a connected computer.

To open a Quick Reference from where the documentation is installed

1. Open a browser window.
2. Navigate to `https://application_server_name/documents/`
where `application_server_name` is the name of the server where the IMPAX documentation is installed.
3. Under Quick References, click the title of the Quick Reference to view.

IMPAX Client Quick References
(Topic number: 54856)

Title	File name	Describes common IMPAX procedures and references for
IMPAX 6.5.1 Quick Reference: Breast Imaging	breast_imaging.pdf	Radiologists who specialize in breast imaging.
IMPAX 6.5.1 Quick Reference: Clinicians	clinicians.pdf	Clinicians and surgeons.
IMPAX 6.5.1 Quick Reference: CT-MR	ct-mr.pdf	CT/MR navigation tasks.
IMPAX 6.5.1 Quick Reference: Emergency (ER)	emergency.pdf	Emergency room clinical staff.
IMPAX 6.5.1 Quick Reference: ICU	icu.pdf	ICU clinical staff.
IMPAX 6.5.1 Quick Reference: IMPAX Reporting for Administrators	reporting_administrator.pdf	PACS Administrators at sites using IMPAX Reporting.
IMPAX 6.5.1 Quick Reference: IMPAX Reporting for Radiologists	reporting_radiologist.pdf	Radiologists at sites using IMPAX Reporting.
IMPAX 6.5.1 Quick Reference: Orthopaedics	orthopaedics.pdf	Orthopaedic surgeons.
IMPAX 6.5.1 Quick Reference: Radiologists	radiologists.pdf	Radiologists.
IMPAX 6.5.1 Quick Reference: ROUNDS	ronds.pdf	Conducting rounds or conferences.
IMPAX 6.5.1 Quick Reference: Search	search.pdf	Searching for studies and patients by various criteria.
IMPAX 6.5.1 Quick Reference: Spine Annotation	spine_annotation.pdf	Applying spine annotation labels to CT or MR images to indicate which section of the spine an image intersects.
IMPAX 6.5.1 Quick Reference: Technologists	technologists.pdf	Technologists and radiographers.

IMPAX Server Quick Reference

(Topic number: 54859)

Title	File name	Describes common IMPAX procedures and references for
IMPAX 6.5.1 Quick Reference: Administration Tools	admin_tools.pdf	Configuring IMPAX Server using the Administration Tools.

Migration references

2

The following information lists the obsolete IMPAX 5.2 privileges, new operations for IMPAX 6.5.1, and the privileges from IMPAX 5.2 that are common to IMPAX 6.5.1.

Privilege and permission comparison

(Topic number: 54910)

Some IMPAX 5.2 privileges map to equivalent operations used in IMPAX 6.5.1 permissions; others do not. While IMPAX 5.2 is the focus of comparison, many of the 5.2 privileges are also available in IMPAX 4.5 and IMPAX 5.3.

Obsolete IMPAX 5.2 privileges

(Topic number: 54697)

The following table lists the IMPAX 5.2 privileges that are obsolete in IMPAX 6.5.1:

IMPAX 5.2 privileges		Feature description and comments
Privilege	Component	
ADD_KEYWORDS	SELECT	Add keywords to the library of available keywords.
ASSOCIATE_KEYWORDS	SCHEDULE	Add keywords from the keyword library to studies.
BURN_CARDIO_REPORTS	SELECT	Include generated cardiology reports when a CD-R is burned.

IMPAX 5.2 privileges		Feature description and comments
Privilege	Component	
CARDIO_REPORT	SELECT	Allow user access to the cardiology reports.
CHANGE_FONT	SELECT	Change the font on the actual PC.
CONFIG_CONTEXT_MENUS	SELECT	Configure the possibilities in the finder list and worklist by right-clicking the mouse.
CONFIG_ICU_CHECKIN	SELECT	Not used.
CONFIG_INFO	SELECT	Configure the Info box by clicking on the Info icon.
CONFIG_WORKSHEETS	SELECT	Not used.
CONFIGURE_OCR	SELECT	Not used.
CONFIGURE_XMIT	SELECT	Transmit studies to a pre-configured destination.
DEBUG_WIZARD	SELECT	Step through a wizard, command by command.
DELETE_CACHED	SELECT	Delete studies in the cache. Only recommended for the system administrator.
DELETE_LOCAL	SELECT	Delete a study from the local cache (if configured as a cached station).
DELETE_MOD	SELECT	Delete from MOD. Only applies if the IMPAX Client is installed on the same machine as the archive. Only recommended for the system administrator.
DELETE_TAPE	SELECT	Delete from Tape. Only applies if the IMPAX Client is installed on the same machine as the archive. Only recommended for the system administrator.
DISPLAY_BOOKMARKS	SELECT	Display saved bookmarks.
EDIT_ENUM_ATTRS	SELECT	Edit enumerated attributes.
EDIT_FINDER	SELECT	Edit which criteria appear in the finder.
EDIT_PERF_PHYS	SELECT	Edit the list of performing physicians.
EDIT_TOOLBAR	SELECT	Edit toolbar associated with user ID.

IMPAX 5.2 privileges		Feature description and comments
Privilege	Component	
ENTERPRISE_ALL_STUDIES_QUERY	SELECT	Search enterprise-wide for patient studies.
ENTERPRISE_PRIORS_QUERY	SELECT	Search enterprise-wide for relevant prior studies.
FIX_STUDY	SERVICE_TOOLS	Fix and verify studies that did not match the information in the HIS. Appears in the Study Manager.
HIS	SELECT	Grant access to the HIS using a telnet window.
ICON_SIZE	SELECT	Change the icon size. Takes effect on the machine for all users. Only recommended for the system administrator.
INJECT	SELECT	Inject test images into the system.
NOTIFICATION_MANAGER	SERVICE_TOOLS	Manage notifications and notification rules.
PRINT_ADMIN	SELECT	Administer printer parameters (limited version of PRINT_CONFIG).
PRINT_ADVANCED	SELECT	Access advanced print selections (changing printers, number of copies, etc.). In IMPAX 6.5.1, collapsed into Print.
PRINT_CONFIG	SELECT	Administrate and edit the setup of the printers configured for the system.
PRINT_TEMPLATES	SELECT	Create templates for WYSIWYG printing.
QC_DISPLAY	SELECT	This privilege was not used in IMPAX 5.2.
QUERY_ALL_STUDIES	SELECT	Make an unrestricted query in the database for all studies for a selected patient. It is recommended that this feature is disabled for all users.
REPORT_VIEWER	SERVICE_TOOLS	View, refresh and print report data.
SAVE_INFO	SERVICE_TOOLS	Save modified study information in the Study Manager.

IMPAX 5.2 privileges		Feature description and comments
Privilege	Component	
SAVE_SUMMARY_SERIES	DISPLAY	Save created or edited summary series. Not recommended for approved studies.
SERVICE_TOOLS	SELECT	Allow user access to the Service Tools application.
SHOW_ALL_COMMENTS	SELECT	View all study comments for all studies for the selected patient.
SHOW_PROGRESS	SELECT	This privilege was not used in IMPAX 5.2.
STATS	SELECT	Access the statistical reports.
STATUS_MONITOR	SERVICE_TOOLS	View the system performance and activity in work queues.
STUDY_ARRIVED_RULE	SELECT	Enable audible notifications for study arrivals.
SYSTEM_DATA_MANAGER	SERVICE_TOOLS	Remove historical data from the database.
TALKTECH	SELECT	Allow user to only query for cached studies.
USER_MANAGER	SERVICE_TOOLS	Create new users. Note that this allows users to add new users with unlimited access. Only recommended for the system administrator.
VIEW_STUDY_INFO	SELECT	View the study information.

PACS Client operations

(Topic number: 9446)


Operations are the actions allowed by a permission. When creating a permission, you can choose to enable or disable operations that relate to the IMPAX Client. Dependent operations are operations that must also be enabled to provide full access to the feature.








General






Operation	Description	Dependent operations	Corresponding 5.2 privilege
			Component Privilege
At-a-Glance			







Operation	Description	Dependent operations	Corresponding 5.2 privilege	
			Component	Privilege
Edit At-a-Glance Messages	Allow user to add and edit messages in the At-a-Glance area	General At-a-Glance > Show At-a-Glance	None	None
Show At-a-Glance	Allows user to view the At-a-Glance area.	None	None	None
Audible Notification	Allow user to enable audible notification for events such as study arrival.	None	SELECT	AUDIBLE_NOTIFY
Change Password	Allow user to change his or her password, which is recommended.	None	SELECT	CHANGE_PASSWORD
Configure Area	Select sub-operations to allow users access to the Configure area. Access to the Configure area should be carefully controlled. Through the Configure area you can delete users, change permissions, change licenses, and so on.		None	None
Individual Configuration	Allow individual users to have control over their own preferences and station. Users otherwise need to have a PACS Administrator to change personal preferences.	None	None	None
Preferences	Allow user access to the Preferences section of the Configure area.	To access all tabs, requires: General Print > Edit Composite Layouts	None	None








Operation	Description	Dependent operations	Corresponding 5.2 privilege	
			Component	Privilege
Printers	Allow user access to the Printers section of the Configure area.	None	SELECT	PRINT_ADMIN, PRINT_CONFIG, PRINT_ADVANCED
Service	Allow the user to access the Service Portal in the Configure area.	None	None	None
Stations	Allow user access to the Stations section of the Configure area.	None	None	None
Users and Roles	Allow user access to the Users and Roles section of the Configure area.	None	SELECT	USER_TOOLBARS
Context Server Integrations			None	None
Allow Single Sign-on	Allow user to log into both IMPAX and a Context Server integration with a single login. This is a potential security risk, so the site must explicitly enable this feature.	General Context Server Integrations > Enable Context Server Integrations	None	None
Enable Context Server Integrations	Allow user access to Context Server integrations.	None	None	None
Cycle Studies	Allow user to cycle through studies in the worklist	None	None	None
Delete Study	Allow user to delete viewable study	None	None	None
Edit Columns	Ability to edit the set of visible columns returned in worklists, search results, and so on.	None	SELECT	EDIT_COLUMNS
Edit Enumerated Values	Allow user to edit the enumerated values, used for searching	None	None	None








Operation	Description	Dependent operations	Corresponding 5.2 privilege	
			Component	Privilege
Edit Viewable Worklists	Allow user to edit which worklists are viewable by the user in the Worklists library	None	None	None
Export and Import Studies			None	None
Export Studies with Image Viewer	Allow user to include the Image Viewer when exporting studies to local CD/DVD media.	None	None	None
Export Studies with Reports	Allow user to include reports when exporting studies to local CD/DVD media.	None	None	None
Import Studies	Allow user to import DICOM studies to the PACS from local external media, such as CD.	None	None	None
History	Allow user to display recently displayed studies.	None	None	None
Image Area	Allow user access to the Image area.	None	None	None
Image Area Tools		For all Image Area Tools operations: General Image Area Modality > View All <i>or</i> specific modalities	None	None
3D	 Allows users to launch a series into the Volume Viewing window for 3D analysis.		None	None














Operation	Description	Dependent operations	Corresponding 5.2 privilege	
			Component	Privilege
Active Target	 Allow user to present a 3D context for images in studies and view the location of slice positions.		DISPLAY	CURSOR
Apply Hanging Protocols	 Allow user to apply an available hanging protocol to the current study using the Set Series Hanging Protocol tool.		None	None
Apply System Layout Protocols	 Allow the user to preset screen layout options that change how studies, series, and images are displayed across the available monitors.		None	None
Auto Window Level	 Allow user to automatically window level an image based on a selected region of the image.		None	None
Break Out Gated Series	 Allow user to create a temporary series that displays the same point of a heart cycle through time in nuclear medicine studies.		None	None
Cine Viewer	 Allow user to play series images in a continuous loop or frame by frame.		None	None
Comparative Review	 Allow user access to the comparative review modes for mammography screening.		None	None

Operation	Description	Dependent operations	Corresponding 5.2 privilege	
			Component	Privilege
Compare	 Allow user to display two enlarged copies of an image side by side in a window and modify one image without affecting the second image.		None	None
Create Combined Series	 Allow user to combine all series in a study temporarily.		None	None
Create Summary Study	 Allow user to combine images from one or more series or studies as a summary study.		DISPLAY	CREATE_SUMMARY
Customize	 Allow user to open the Customize dialog in the Image area for setting user preferences for toolbars, screen layouts, hanging protocols, startup defaults, markup statistics, workflows, automatic study saves, modality preferences, image wizards, keyboard shortcuts, and cine viewer options.	The Customize operation gives access to the Customize dialog. Access all tabs on the dialog, also requires: General Image Area Tools > Apply hanging protocols Image Area Tools > Screen Layout Image Area Wizards > any sub-operation	DISPLAY	CUSTOMIZE
Demographics Toggle	 Allow user to show or hide patient demographics on study images.		None	None

Operation	Description	Dependent operations	Corresponding 5.2 privilege	
			Component	Privilege
Display Markup Toggle	 Allow user to hide all markups, display all markups, or display only their own markups.		None	None
Display Scout	 Allow user to open a Scout window that shows the slice location in CT and MR studies.		None	None
Edit New Series Descriptions	Allow user to edit the series description values in hanging protocols.		None	None
Extended Monitor Display	 Allow user to display an instance of a selected series on an extended color monitor.		None	None
Histogram Equalization	 Allow user to take a histogram from a region of interest and equalize it to the rest of the image.		None	None
Image Enhancement	 Allow user to use the Image Enhancement tool to produce a sharper, enhanced image edge by accentuating the difference between a pixel value and a weighted average of the surrounding pixels.		None	None
Image Information Window	 Allow user to display the Image Information window, which contains demographic details and orthopaedic implant details, and		None	None

Operation	Description	Dependent operations	Corresponding 5.2 privilege	
			Component	Privilege
	to print the information.			
Image Pasting	 Allow user to align a series of XA images that were taken to track a radiopaque agent through the body.		None	None
Image Selection	 Allow user to select images that other tools can be applied to.		None	None
Linking	 Allow user to connect and disconnect coplanar series so that navigation, and optionally window leveling and magnification, performed on one series applies to all connected series		None	None
Mammography CAD SR Toggle	 Allow user to display or hide mammography CAD SR markers.		None	None
MPR	 Allows users to launch a series into the Volume Viewing window for MPR and MIP analysis.		None	None
Nonlinear Window Level	 Allow user to change the brightness and contrast of an image based on graphical curve adjustments.		None	None
Nuclear Medicine Palette	 Allow user to apply a specified color palette to		None	None


Operation	Description	Dependent operations	Corresponding 5.2 privilege	
			Component	Privilege
	grayscale images in a study.			
Paired Zoom and Pan	Allow the user to magnify all breast images that are in view (or stacked) and then move the images in a similar direction at current magnification.		None	None
Pin Study	 Allow user to pin a study in place and keep it visible while navigating through other patient studies.		None	None
Pixel Value Toggle	 Allow user to display or hide the image pixel value beneath the pointer.		None	None
Presentation State Selection	 Allow user to apply a softcopy presentation state.		None	None
Projection	 Allow user to enlarge a selected image to full screen size in a new window.		None	None
Rearrange Series	 Allow user to reorder the series in a study.		None	None
Screen Layout	 Allow user to specify how images, series, and studies are arranged in columns and rows on an Image area monitor.		None	None
Service Window	 Allow user to display the DICOM header and database information for an image.		None	None

Operation	Description	Dependent operations	Corresponding 5.2 privilege	
			Component	Privilege
Sort Images	 Allow user to sort images in the series according to available DICOM attributes.		None	None
Split Multi-Phasic Series	 Allow user to perform a multi-phasic split of a series.		None	None
Tab Stops	 Allow user to add navigation tabs to images of interest.		None	None
True Size	 Allow user to display the image at its actual size, according to available image information.		DISPLAY	TRUE_SIZE
Undo/Redo/Reset	Allow user to:  undo,  redo, or  reset images,  reset markups,  reset geometry,  reset window level, or  reset nuclear medicine palettes.		None	None
View Original Images	 Allow user to retrieve the original DICOM image data for the displayed study.		None	None
Window Level	 Allow user to change image brightness and contrast by adjusting window center and window width.		DISPLAY	SAVE_WINDOW_LEVEL
Window Level Preset	Allow user to apply window level presets. Window level presets are predefined window level values.	Also requires the operation related to one of the tools in the Window	None	None

Operation	Description	Dependent operations	Corresponding 5.2 privilege Component Privilege	
		level button menu, such as: General Image Area Tools > Window Level		
Image Area Wizards			None	None
Create or Import Wizards	Allow user to define image wizard actions, create an image wizard by recording actions, or import image wizards.	General Image Area Tools > Customize	SELECT	NEW_WIZARD
Delete Wizards	Allow user to delete image wizards. This operation only applies to wizards the user has defined, not those inherited from a role.	General Image Area Tools > Customize	None	None
Edit Wizards	Allow user to modify an image wizard's actions or edit an image wizard's name, description, or trigger. This operation applies only to wizards the user has defined, not those inherited from a role.	General Image Area Tools > Customize	SELECT	EDIT_WIZARD
Run Wizards	Allow user to activate any defined image wizards using the wizard button or keyboard shortcuts.	General Image Area Modality > View All <i>or</i> specific modalities	SELECT	STARTUP_WIZARD
Job Manager			None	None
Delete Jobs	Allow user to delete print, transmit,	General	SELECT	DELETE_JOB

Operation	Description	Dependent operations	Corresponding 5.2 privilege	
			Component	Privilege
	retrieve, and CD or DVD burn jobs.	Job Manager > Enable Job Manager		
Enable Job Manager	Allow user access to the Job Manager window to view the status of print, transmit, retrieve, and CD or DVD burn jobs. (This is different from the Job Manager in the Administration Tools.)	None	SELECT	VIEW_PROGRESS
Modify Any Job	Allow user to view print, transmit, retrieve, and CD or DVD burn jobs for all users. If the user also has permissions to delete jobs or modify their priority, he or she can modify jobs created by other users.	General Job Manager > Enable Job Manager	None	None
Modify Job Priority	Allow users to modify the priority of their own print, transmit, retrieve, and CD or DVD burn jobs.	General Job Manager > Enable Job Manager	SELECT	JOB_PRIORITY
Key Images Edit Favorite Titles	Allow user to edit key image note document titles.		None	None
Keywords			None	None
Edit Personal Keywords	Allow user to add or edit keywords that are available only to him or her.	None	SELECT	EDIT_KEYWORDS
Edit System Keywords	Allow user to add or edit keywords that are available for system-wide use.	None	SELECT	SYSTEM_KEYWORDS

Operation	Description	Dependent operations	Corresponding 5.2 privilege	
			Component	Privilege
Link Patients	Allow user to link studies from different patients.	None	SELECT	LINK_PATIENTS
Messaging Service		None	None	None
Instant Messaging	Allows the user to easily connect with colleagues using the IMPAX instant messaging feature. This permission must be disabled for any roles whose users share the same IMPAX account (single sign-on), such as EPR users.	None	None	None
Receive Study Messages	Allow user access to the Messaging Service for connecting with other clients. This operation is required to use the dictation preferences set in the Configure area - Preferences section, List area bar, Worklist tab.	None	None	None
Modality		For all Modality operations: Study-based View Study	None	None
View All	Allow user to view studies from all modalities		SELECT	SHOW_ALL_JOBS
View CR	Allow user to view CR studies. If using the Entry-Level Radiologist license, users cannot display CR images without an		None	None

Operation	Description	Dependent operations	Corresponding 5.2 privilege	
			Component	Privilege
	additional CR DR US option.			
View CT	Allow user to view CT studies. If using the Entry-Level Radiologist license, users cannot display CT images without an additional CT option.		None	None
View DR	Allow user to view DR studies. If using the Entry-Level Radiologist license, users cannot display CR images without an additional CR DR US option.		None	None
View MG	Allow user to view MG studies.		None	None
View MR	Allow user to view MR studies. If using the Entry-Level Radiologist license, users cannot display MR images without an additional MR option.		None	None
View NM	Allow user to view NM studies.		None	None
View US	Allow user to view US studies. If using the Entry-Level Radiologist license, users cannot display CR images without an additional CR DR US option.		None	None
View XA	Allow user to view XA studies.		None	None
Orthopaedic Application	 Allow user to open images into the Orthopaedic Application window.	None	SELECT	LAUNCH_MEDICAD

Operation	Description	Dependent operations	Corresponding 5.2 privilege	
			Component	Privilege
Override Permissions on a Folder	Allow user to modify teaching folder permissions regardless of the individual permissions set on the folders.	General Teaching Files	None	None
Print			DISPLAY	PRINT
Edit Composite Layouts	Allow user to define composite layouts for printing and saving studies.	General Configure Area > Preferences	SELECT	WYSIWYG_PRINT, PRINT_TEMPLATES
Print to Paper	Allow user to print studies to paper.	Study-Based Print > Print Composite Layouts	SELECT	PRINT
Quality Control			None	None
Acknowledge Conflicts	Allow user to resolve conflicts between images with the same SOP instance UID.	Study-Based View Study with Include Unverified Studies option	None	None
Fixup, Segment, and Split Studies	Allow user to fix demographics, merge studies, segment studies, and split studies.	Study-Based View Study with Include Unverified Studies option	None	None
Quick Fix Up	Allow user to fix demographic information in a batch of studies.	Study-Based View Study with Include Unverified Studies option	SELECT	QUERY_UNVERIFIED
Remember User Settings	Allow settings that can be saved automatically to be saved automatically. Has no effect on modifications that	None	None	None

Operation	Description	Dependent operations	Corresponding 5.2 privilege	
			Component	Privilege
	must be explicitly saved.			
Scripting		None	None	None
Configure Scripts	Allow user to add, import, export, remove, or edit script wizards.	None	None	None
Run Scripts	Allow user to run the scripts in the List area by clicking the script's button in the Wizards toolbar.	None	SELECT	CONFIGURE_SCRIPT_BUTTONS
Searching for Studies			None	None
Add Search Criteria	Allow user to edit the master list of search criteria for predefined search criteria.	General Searching for studies > Advanced Search	SELECT	DEFAULT_CRITERIA
Advanced Search	Allows access to the Advanced Search. If this operation is selected, the Advanced Search appears in the List area, and the simple Search is no longer available (even if the Simple Search operation is enabled). Refer to "Finding studies using Advanced Search" (topic number 8610) in the <i>IMPAX 6.5.1 Client Knowledge Base: Extended</i> .	None	SELECT	FINDER_FAVORITES
Configure Simple Search Criteria	Allow the user to define what type of patient information is displayed in the Search columns.	None	None	None

Operation	Description	Dependent operations	Corresponding 5.2 privilege	
			Component	Privilege
Searching for Open Studies	Allow user to search for open studies (that is, perform a "wet read").	None	None	None
Simple Search	Allow user access to the simple Search in the List area.	The Searching for studies > Advanced Search operation must be <i>disabled</i> for simple Search to appear.	None	None
Use Relevant Prior Rules	Allow user to enable the relevant prior feature so that relevant priors are automatically opened with the study.	Study-based Study Retrieval > Retrieve Studies from External PACS	SELECT	QUERY_PRIORS
Set Default Image Type	Allow user to choose between viewing original images or web images by default.	None	SELECT	SET_DEFAULT_PATHS
TalkStation Integration	Allow user to dictate studies using TalkStation.	Study-Based Dictate Studies as Radiologist <i>or</i> Dictate Studies as Resident	None	None
Teaching Files	Allow user to use the Teaching Files functionality. Within the Teaching Files area, you can set specific teaching file permissions.	General Text Area > Enable Text Area	SELECT	TEACHING_FILE
Text Area			None	None

Operation	Description	Dependent operations	Corresponding 5.2 privilege	
			Component	Privilege
Configure SmartSeek Tabs	Allow user to configure SmartSeek tabs.		None	None
Edit Favorite Study Comments	Allow user to add, edit, and delete favorite study comments.	General Text Area > Enable Text Area	None	None
Enable Enterprise Study List	Allow user to use Enterprise features in the Study List.	None	None	None
Enable Text Area	Allow user to view the Text Area. Normally, the Text area is disabled only in some Context Server and EPR integrations.	None	None	None
Private Study Comments	Allow user to mark study and voice comments as private.	General Text Area > Enable Text Area	None	None
Update Study	Allow the user to update the study through the backoffice integrations.	None	None	None
Worklists			None	None
Configure Global Priority Groups	Allow user to configure global priority groupings for worklists.	None	None	None
Edit Viewable Worklists	Allow user to edit viewable worklists.	None	None	None
Personal Worklists	Allow user to create, edit, and delete personal worklists.	None	None	None
Scheduled Worklists			None	None





Operation	Description	Dependent operations	Corresponding 5.2 privilege	
			Component	Privilege
Add Studies to Scheduled Worklists	Allow users to add studies to a scheduled worklist by dragging them from other worklists.	General Scheduled Worklists > View Scheduled Worklists	SELECT	ADD_ONLY_TO_ROND
Create Scheduled Worklists	Allow user to create scheduled worklists.	General Scheduled Worklists > View Scheduled Worklists	SELECT	SCHEDULE
Delete Scheduled Worklists	Allow user to delete scheduled worklists.	General Scheduled Worklists > View Scheduled Worklists	None	None
Edit Scheduled Worklists	Allow user to edit existing scheduled worklists.	General Scheduled Worklists > View Scheduled Worklists	SELECT	EDIT_ROND
Remove Studies from Scheduled Worklists	Allow user to remove studies from scheduled worklists.	General Scheduled Worklists > View Scheduled Worklists	None	None
Reorder Scheduled Worklists	Allows user to change the order of scheduled worklists in the Worklist Library.	General Scheduled Worklists > View Scheduled Worklists	None	None
View Scheduled Worklists	Allow user to view scheduled worklists in the Worklist	None	SELECT	CONFIGURE_ROND




Operation	Description	Dependent operations	Corresponding 5.2 privilege	
			Component	Privilege
	Library and in the List area.			
Standard Worklists				
Create Worklists	Allow user to create standard worklists and sign-off worklists.	None	None	None
Delete Worklists	Allow user to delete standard and sign-off worklists.	None	None	None
Edit Worklists	Allow user to edit standard and sign-off worklists.	None	None	None



Study-Based

Operation	Description	Dependent operations	Corresponding 5.2 privilege	
			Component	Operation
Add/Remove Key Images	Allow user to add key images to or remove key images from a report. (All users are permitted to view key images.) The Add/Remove Key Images operation can also have study status flags applied to it. For example, you can set it to work only on New studies.	General Image Area Modality > View All <i>or</i> specific modalities Text Area > Enable Text Area Study-based Text Area > View Reports	None	None
Dictate Studies as Radiologist	Allow user to dictate studies as a radiologist, with ability to sign off reports. This operation can also have relevant study	General Image Area Modality > View All <i>or</i> specific modalities	DISPLAY	DICTATE

Operation	Description	Dependent operations	Corresponding 5.2 privilege	
			Component	Operation
	status flags applied to it.			
Dictate Studies as Resident	Allow user to dictate studies as a resident, without ability to sign off reports. This operation can also have relevant study status flags applied to it.	General Image Area Modality > View All <i>or</i> specific modalities	DISPLAY	DICTATE
Edit Study Priority		None	None	None
Export and Import Studies	The Export and Import operations can also have study status flags applied to them. For example, you can set the Export Studies to Remote Media operation to work only on Approved studies.		SELECT	BURN_CD
Export Studies to Local Media	Allow user to export studies to local media in DICOM format; for example, to burn studies to a local CD or DVD drive. You can then select what status studies must have before they can be burned: APPROVED, DICTATED, NEW, REPORTED, or OPEN.	None	None	None
Export Studies to Remote Media	Allow user to export studies to remote media in DICOM format; for example, to burn studies with	None	None	None

Operation	Description	Dependent operations	Corresponding 5.2 privilege Component Operation	
	<p>CD/DVD burning software.</p> <p>You can then select what status studies must have before they can be burned: APPROVED, DICTATED, NEW, OPEN, or REPORTED.</p>			
Image Area Tools	The Image Area Tools operations can also have study status flags applied to them. For example, you can set the Delete Image operation to work only on New studies.	For all Image Area Tools operations: General Image Area Modality > View All <i>or</i> a subset of specific modalities	None	None
Collimate	 Allow user to crop an image to eliminate clutter.		DISPLAY	COLLIMATE
Delete Image	 Allow user to remove images from a study.		DISPLAY	DELETE_IMAGES
Edit All Markups	 Allow user to move or resize image markups.		DISPLAY	EDIT_ALL_MARKUP
Edit DICOM Elements	 Allow user to edit image acquisition elements such as kVp, mAs, SID, and Technician Code.		None	None
Edit Study Snapshots	Allow user to edit study snapshots.		None	None
Export Images	Allow user to export study images as JPEG files, as AVI		SELECT	BURN_CD_VIEWER

Operation	Description	Dependent operations	Corresponding 5.2 privilege Component Operation	
	files, or as a Clipboard copy.			
Geometry	Allow user to rotate and flip images.		None	None
Import Images	 Allow user to add a BMP or JPEG format image to a study.		None	None
Invert	 Allow user to exchange the white and black areas in an image.		SELECT	REVERT_STATUS
Magnification	Allow user to magnify images using the various zoom tools.		None	None
Markup	Allow user access to the Markup tools.		DISPLAY	MARKUP
Publish SPS Objects	Allow user to publish softcopy presentation states. This operation can also have relevant study status flags applied to it.		None	None
Rearrange Images	 Allow user to reorder the images in a series.		DISPLAY	REARRANGE_IMAGES
Save Geometry	Allow user to save rotation and flips.		DISPLAY	SAVE_GEOMETRY
Save Magnification/Pan	Allow user to save magnification and position.		None	None
Save Markup	Allow user to save markups.		DISPLAY	SAVE_MARKUP
Save Tabstops	Allow user to save tab stops.		DISPLAY	SAVE_TABSTOP
Save User Image Calibration	Allow user to save calibration changes.		None	None

Operation	Description	Dependent operations	Corresponding 5.2 privilege	
			Component	Operation
Save Window Level	Allow user to save window level changes.		None	None
User Image Calibration	 Allow user to calibrate an image, series, or study; revert from user to modality calibration; or apply ERMF calibration, if available.		DISPLAY	CALIBRATE
Keywords	The Keyword operations can also have study status flags applied to it.		None	None
Associate Keywords with Study	Allow user to add keywords from the keyword library to studies.	None	SELECT	ASSOCIATE_KEYWORDS
Print	The Print operations can also have study status flags applied to them.		None	None
Print Composite Layouts	 Allow user to print composite layouts of studies.	None	None	None
Print Study	Allow user to print studies.	None	None	None
Shared Workflow	Allow user to enable shared workflow (claim/assign studies).		None	None
Study Retrieval			None	None
Retrieve Offline Studies	Allow user to retrieve offline studies; for example, studies that are on media that is not in the library.	None	DISPLAY	REPORT

Operation	Description	Dependent operations	Corresponding 5.2 privilege	
			Component	Operation
Retrieve Studies from External PACS	Allow user to retrieve studies that are in an external PACS system.	None	None	None
Retrieve Studies from HSM	Allow user to retrieve studies from an HSM (Hierarchical Storage Management) system.	None	None	None
Retrieve Studies from Nearline	Allow user to retrieve nearline studies; for example, studies that are archived on DVD or DLT.	None	None	None
Text Area		For all Text Area operations: General Text Area > Enable Text Area	None	None
Add Study Comments	Allow user to add new study comments. This operation can also have relevant study status flags applied to it.		SELECT	ADD_STUDY_COMMENTS
Edit Patient Demographics	Allow user to edit the patient's name in the Text area.		None	None
Edit Performing Physician	Allow user to edit the name of the performing physician in the Text area.		None	None
Edit Study Comments	Allow user to edit existing study comments. This		SELECT	EDIT_STUDY_COMMENTS

Operation	Description	Dependent operations	Corresponding 5.2 privilege	
			Component	Operation
	operation can also have relevant study status flags applied to it.			
Edit Study Status	Allow user to change the status of a study.		None	None
Protect Studies	Allow user to protect a study against removal from the image cache.		SELECT	PROTECT
View Reports	Allow user to view reports in the Text area. This operation can also have relevant study status flags applied to it.		SELECT	RIS_REPORT
Transmit Studies	Allow user to transmit studies to other DICOM destinations. This operation can also have relevant study status flags applied to it.	None	SELECT	TRANSMIT
View Study	Allow user to view studies that are included in the study access rules for the permission. This operation can also have relevant study status flags applied to it.	None	None	None

Administration Tools operations

(Topic number: 9448)


Operations are the actions allowed by a permission. When creating a permission, you can choose to enable or disable operations that relate to the Administration Tools. For details on what each of these managers controls, refer to the Administration Tools component of the *IMPAX 6.5.1 Server Knowledge Base*.

We recommend giving Administration Tools operations to PACS Administrators only.

Operation	Description	Corresponding 5.2 Service Tools privilege
Autopilot Management		
View	Allow user access to the Autopilot Manager. The Autopilot Manager sets when studies are removed from cache.	AUTOPILOT_MANAGER
Basic Framework		
	Allow user access to some of the basic framework features. (To disable access, all other operations must be cleared as well.)	
Acknowledge	Allow user to acknowledge exceptions through the Exception Management dialog.	ACKNOWLEDGE_EXCEPTIONS
Delete	Allow user to delete exceptions through the Exception Management dialog.	None
Basic Routing Manager		
View	Allow user access to the basic Routing Manager, to configure routing based on modalities only (see also Routing Manager in this list).	BASIC_ROUTING_MANAGER
Body Part Manager		
View	Allow user access to the Body Part Manager. The Body Part Manager configures body parts in the system. The configured body parts are global and are in effect for all users.	BODY_PART_MANAGER
Cache Manager		
View	Allow user access to the Cache Manager to create temporary storage of images on cache.	CACHE_MANAGER
Cache Monitor		
View	Allow user access to the Cache Monitor to track cache status.	CACHE_MONITOR
Demographic Layout Manager	To use this feature, you must also have the Source Manager > View operation.	

Operation	Description	Corresponding 5.2 Service Tools privilege
New DICOM Field	Allow user to create DICOM fields for use in demographic layouts within Source Manager.	CREATE_DICOM_FIELD
View	Allow user access to the Demographic Layout Manager within Source Manager. Users can create demographic layouts as default for the entire system. (To disable access to the manager, the New DICOM Field operation must be cleared as well.)	DEMOGRAPHIC_LAYOUT_MANAGER
Enumerated Values Manager		
View	Allow user access to the Enumerated Values Manager, to create preset values for drop-down lists in search criteria. Enumerated values can also be added through the Study Manager, if given the Study Manager > System-Wide Values operation.	ENUMERATED_VALUES
Image Access Manager		
View	Allow user access to the Image Access Manager to set priorities for retrieving images from one cache relative to another cache, and from one archive relative to another archive.	IMAGE_ACCESS_MANAGER
Job Manager		
Start/Halt Queues	Allow user to start and stop queues in the Job Manager.	START_HALT_QUEUES
View	Allow user access to the Job Manager. Users can halt the queue or process jobs that stall due to an error. (To disable access to the manager, the Start/Halt Queues operation must be cleared as well.)	JOB_MANAGER
Network Manager		
View	Allow user access to Network Management. Users can then	NETWORK_MANAGER

Operation	Description	Corresponding 5.2 Service Tools privilege
	enable DICOM communication between your system and remote stations on the network.	
Patient Location Manager		
View	Allow user access to the Patient Location Manager to define mappings for patient locations.	PATIENT_LOCATION_MANAGER
Print Date Manager		
View	Allow user access to the Print Date Manager to specify the date format when printing images. You can also select the print date format through the IMPAX Client.	PRINT_DATE_MANAGER
Quality Test Manager		
View	Allow user access to the Quality Test Manager. Users can query for test results and add notes and comments about the tests performed.	QUALITY_TEST_MANAGER
Queue Monitor		
View	Allow user access to the Queue Monitor to diagnose problems within a particular queue or view details about jobs in a particular queue.	QUEUE_MONITOR
Relevant Prior Manager		
View	Allow user access to the Relevant Prior Manager. Users create system-wide relevant prior rules that are used for prefetching with this manager. Refer to "Relevant Prior Manager: Workflow applications" (topic number 9482) in the Administration Tools component of the <i>IMPAX 6.5.1 Server Knowledge Base</i> .	RELEVANT_PRIOR_MANAGER
Routing Manager	To use this feature, you must also have the Source Manager > View operation.	

Operation	Description	Corresponding 5.2 Service Tools privilege
View	Allow user access to the advanced routing rules in the Source Manager, to configure study routing rules for the entire system (see also Basic Routing Manager).	ROUTING_MANAGER
Scavenger Manager		
View	 Note: Do not use. As of IMPAX 6.5, Scavenger Manager is no longer supported.	SCAVENGER_MANAGER
Source Manager		
View	Allow user access to the Source Manager to configure which stations are acquisition stations that receive images from the modality.	SOURCE_MANAGER
Speciality Manager		
View	Allow user access to the Speciality Manager to define the mapping between study descriptions or procedure codes and specialty identifiers. The configured specialties are global and take effect for all users. The specialties are also to be used in combination with prefetching and autorouting.	SPECIALITY_MANAGER
Study Manager		
	Many of the Study Manager operations can also have study status flags applied to them. For example, you can set the Retrieve operation to work only on New and Open studies.	
Add/Remove Search and Transmit Locations	Allow user to set search and transmit locations. Also requires the Network Manager > View operation.	None
Delete Completely	Allow user to delete a study completely through the Study Manager.	DELETE_COMPLETELY

Operation	Description	Corresponding 5.2 Service Tools privilege
Delete from Archive	Allow user to delete a study from the archive through the Study Manager.	DELETE_FROM_ARCHIVE
Delete from Cache	Allow user to delete a study from cache through the Study Manager.	DELETE_FROM_CACHE
Fix All Studies	Allow user to manually fix many unverified studies at once through the Study Manager.	FIX_ALL_STUDIES
Lock/Unlock Study	Allow user to lock or unlock a study through the Study Manager.	None
Merge	Allow user to merge multiple studies into one through the Study Manager.	MERGE_STUDIES
Merge Physicians	Allow user to merge physician names through the Study Manager.	None
Protect/Unprotect Study	Allow user to mark a study as protected or unprotected through the Study Manager. Protected studies are not deleted from cache by the Autopilot Process.	None
Retrieve	Allow user to manually retrieve a study from an archive through the Study Manager.	RETRIEVE
Split	Allow user to manually split a study into two studies through the Study Manager.	SPLIT_STUDY
Store	Allow user to manually store a study to media (CD/DVD) through the Study Manager.	None
Store to Archive	Allow user to manually store a study to the archive through the Study Manager.	None
Study Information	Allow user access to the Study Information dialog through the Study Manager.	None
System-Wide Values	Allow user to create, edit, and delete search criteria values that will then be available to all	None

Operation	Description	Corresponding 5.2 Service Tools privilege
	users in the system. These values, such as modalities, specialty, or referring physician, can be added when searching for studies in the Study Manager. Any values added here also appear in the Enumerated Values Manager, and vice versa. The values also appear as a selectable option for the appropriate search criteria in any Client in the system. If you do not give users this operation, they can still create, edit, and delete their own search criteria values in the Study Manager.	
Transmit	Allow user to manually transmit a study to another station through the Study Manager.	None
View	Allow user access to the Study Manager. Users with the rights to the Study Manager can delete studies even if they do not have the Delete Images operation (refer to page 23) in the list of PACS Client operations. (To disable access to the manager, all other operations for the manager must be cleared as well.)	STUDY_MANAGER
Study Presentation Manager		
View	Allow user access to the Study Presentation Manager.	None
Web Compression Manager		
Delete	Allow user to delete records from the Web Compression Manager.	None
Save	Allow user to save changes made in the Web Compression Manager.	None

Operation	Description	Corresponding 5.2 Service Tools privilege
View	Allow user access to the Web Compression Manager. (To disable access to the manager, all other operations for the manager must be cleared as well.)	None

IMPAX 5.2 preferences migrated to IMPAX 6.5.1

(Topic number: 54780)

User preferences	Migrated?	Details
List area		
User Keywords	Yes	The keywords created to drive workflows continue to be used in IMPAX 6.5.1.
Worklists	No	The worklist architecture changed significantly. Standard worklists are used in IMPAX 6.5.1.
Scripts (Select wizards)	No	The Select Wizard is no longer available in IMPAX 6.5.1. This functionality has been replaced by standard worklists.
Columns	No	IMPAX 6.5.1 supports worklist-specific columns set up during the creation of a standard worklist.
Ronds	No	The IMPAX 5.2 Ronds information is not compatible with IMPAX 6.5.1. Use the scheduled worklists along with the Snapshot tool to create Ronds in IMPAX 6.5.1.
Configure area - Preferences		
Default Printers and Print Presets	Yes	The printer configurations are compatible with IMPAX 6.5.1.
Relevancy rules	Yes	The storage of Relevancy rules information has moved from IMPAX 5.2 database to the IMPAX 6.5.1 ADAM database.
Composite Layouts	Yes	WYSIWYG print templates have been renamed to Composite Print Layouts.
Patient name format (single-byte, phonetic, and so on)	No	The implementation of patient name has changed. IMPAX 6.5.1 can provide single-byte, phonetic, and ideographic versions of patient names.

User preferences	Migrated?	Details
Search Locations	No	Cannot migrate this user setting to an IMPAX 6.5.1 role. Search locations are set and configured within the Configure > Preferences area.
Transmit Locations	No	This user setting cannot be migrated to an IMPAX 6.5.1 role. In IMPAX 6.5.1, Transmit Locations are set and configured within the Configure > Preferences area.
Worklists - Study Arrival	No	The worklist architecture changed significantly in IMPAX 6.0.2. The studies added to the worklist are controlled by settings in the Configure > Preferences section and by Worklist settings in the Image area > Customize dialog.
Worklists - Audible Notification	No	In IMPAX 6.5.1 the Audible Notification operator is enabled by selecting Audible Notification from the User ID menu found on the List or Configure area bar.
Reporting method - Analog, TalkStation, Serial	No	Reporting methods are set in Configure area - Preferences, Text area bar, Reporting tab.
Configure area - Users and Roles		
User information (user ID, password, long name, description)	Yes	IMPAX 5.2 user information can be migrated to the IMPAX 6.5.1 ADAM database, including IMPAX passwords and user names.
User and license assignment	Yes	IMPAX 6.5.1 uses a role-based access control model. The migration process moves users from IMPAX 5.2 privilege levels to IMPAX 6.5.1 roles.
User mapping (to enterprise LDAP servers)	No	User and Group mappings are new features in IMPAX 6.5.1. They define how the users are authenticated in the cluster and what roles they are associated with.
Permissions	No	The default permissions for IMPAX 6.5.1 are based on roles. They can be customized prior to the migration if necessary. The user information for IMPAX 5.2 is not compatible with this model.
Configure area - Printers		
Printer information (type, AE title, hostname)	Yes	Printer information functionality is consistent between IMPAX 5.2 and IMPAX 6.5.1.
Film sizes	Yes	Film sizes are consistent between IMPAX 5.2 and IMPAX 6.5.1.
Formats	Yes	Formats are consistent between IMPAX 5.2 and IMPAX 6.5.1.
LUTs	Yes	LUTs are consistent between IMPAX 5.2 and IMPAX 6.5.1.

User preferences	Migrated?	Details
Image area		
Comparative Review Sequences	Yes	Comparative review sequences functionality is consistent between IMPAX 5.2 and IMPAX 6.5.1. New sequences have been added, however.
Wizards	Yes	Operations such as DELETE and EDIT apply only to user-defined wizards and not those inherited from a role.
Hanging Protocols	Yes	Hanging protocol functionality is consistent between IMPAX 5.2 and IMPAX 6.5.1.
Series Descriptions	Yes	IMPAX 6.5.1 can add generated series description or user-added manual descriptions.
Keyboard Shortcuts	Yes	Keyboard shortcuts are migrated for users, and system keyboard shortcuts are migrated for the entire site.
Top toolbar, Context toolbar	No	The default configurations for the toolbars are based on roles in IMPAX 6.5.1 and can be configured by the administrator.
Cine toolbar	No	The default configurations for the toolbars are based on roles in IMPAX 6.5.1 and can be configured by the administrator.
Screen Formats	No	The default configurations for the screen formats are based on roles in IMPAX 6.5.1 and can be configured by the administrator.
Default ERMF Settings	No	ERMF Settings are not migrated. ERMF calibration is now applied by default to studies of the selected modality.
Default Tool	No	The default tool is based on roles in IMPAX 6.5.1.
Default Tool Scope	No	The default tool scope is based on roles in IMPAX 6.5.1 and can be configured by the administrator.
Default Study/Series View modes	No	The default study/series view modes for the screen formats are based on roles in IMPAX 6.5.1 and can be configured by the administrator.
Strict Hanging protocols	No	Strict Hanging protocols are standard with an IMPAX 6.5.1 license.
User Profile (default toggle settings)	No	The user profile (default toggle settings) are based on roles in IMPAX 6.5.1.
Configurable Study Save	No	Configurable Study Save tool settings are controlled in the user profiles in IMPAX 6.5.1 and must be redefined.
Markup Statistics	No	Markup Statistics are controlled in the user profile in IMPAX 6.5.1 and must be redefined.

User preferences	Migrated?	Details
Modality Preferences	No	User preferences for a specific modality are controlled by user profiles in IMPAX 6.5.1 and must be redefined.
Window Level Presets	No	The default configurations for the Window Level presets are based on roles in IMPAX 6.5.1 and can be configured by the administrator.
Display Annotation Text	No	The feature is enabled with a study-based operation assigned to a permission.
Link Tool defaults (Nav, W/L, Zoom/Pan)	No	The default configurations for the link tool defaults are based on roles in IMPAX 6.5.1 and can be configured by the administrator.
Spine Annotation labels	No	The Spine Annotation tool is enabled only when a series containing axial images is displayed.
Saved Window positions	No	Docking Scout and floating palettes settings are controlled in the user profiles in IMPAX 6.5.1 and must be redefined.
Snapshots	No	In IMPAX 6.5.1, snapshots are saved to a scheduled worklist.
Worklists - Active Worklist settings	No	Standard Worklists now contain multiple Boolean searches to compile the search results.
Text area		
Canned Study Comments	Yes	Study comments functionality is consistent between IMPAX 5.2 and IMPAX 6.5.1.
Canned Keywords	Yes	Keyword functionality is consistent between IMPAX 5.2 and IMPAX 6.5.1.
Study data (Database migration)		
Markup	Yes	Markup is consistent between IMPAX 5.2 and IMPAX 6.5.1.
Teaching Files	Yes	The database table is the same in both versions. The administrator must make the data compatible with IMPAX 6.5.1.
Tabs	Yes	Tabs are consistent between IMPAX 5.2 and IMPAX 6.5.1.
Window Level	Yes	Window Level is consistent between IMPAX 5.2 and IMPAX 6.5.1.
Magnification	Yes	Magnification is consistent between IMPAX 5.2 and IMPAX 6.5.1.
Geometry	Yes	Geometry is consistent between IMPAX 5.2 and IMPAX 6.5.1.

User preferences	Migrated?	Details
Image Calibration	Yes	Image Calibration is consistent between IMPAX 5.2 and IMPAX 6.5.1.
Rearranged Images	Yes	Rearranged Images are consistent between IMPAX 5.2 and IMPAX 6.5.1.
Summary Series	Yes	Summary series created in IMPAX 5.2 are migrated to IMPAX 6.5.1; however, users can only view the migrated summary series and cannot edit the migrated summary series.
Keywords	Yes	Keyword functionality is consistent between IMPAX 5.2 and IMPAX 6.5.1.
Study Comments	Yes	Study comments functionality is consistent between IMPAX 5.2 and IMPAX 6.5.1.
Teaching Files - Folder access	No	IMPAX 5.2 teaching file folders are migrated to IMPAX 6.5.1, but the permissions to access these folders are not. To allow users to view the teaching files, the PACS Administrator must manually configure the access to each teaching file folder.

Station settings	Migrated?	Details
Configure area - Stations *		
Video Card Settings	Yes	Video card settings are consistent between IMPAX 5.2 and IMPAX 6.5.1.
Monitor Layout, Calibration, Extended settings (NEMA, Pixel Size, JL Cooper jog shuttle)	Yes	Monitor layout, calibration, and extended settings are consistent between IMPAX 5.2 and IMPAX 6.5.1.
Barcode Settings	Yes	Barcode settings are consistent between IMPAX 5.2 and IMPAX 6.5.1.
Memory Configuration	No	Memory configuration has changed for IMPAX 6.5.1 and must be redefined.

* These values are updated when a user logs into a particular IMPAX Client workstation for the first time.

Feature comparison

(Topic number: 54907)

Some IMPAX 5.2 and WEB1000 features map to equivalents in IMPAX 6.5.1; others do not. While IMPAX 5.2 is the focus of comparison, many of the 5.2 features are also available in IMPAX 4.5 and IMPAX 5.3.

IMPAX 5.2 and IMPAX 6.5.1 feature comparison: Select

(Topic number: 54961)

IMPAX 5.2 Select features	Description	IMPAX 6.5.1 comparison
Access Control		
Access Control	Configure the access control matrix to give or deny access to system features for all users.	Configure area > Users and Roles - Permissions tab The administrator has complete control of access to studies per user or role.
Application		
Display Images	After you create a worklist of patients and studies, you must switch to Display to view the images. Depending on the modality and body part you are viewing, the contents of the toolbar and screen format vary. Only studies highlighted in the worklist are displayed.	List area > Worklists You can cycle all worklist studies in the Image area, or you can select particular worklist studies to open with images. You can also open images from a search results list.
Exit	If working in Display, to close the program, click Exit . This takes you to the login screen.	List area, Configure area > Logout Click Logout to close all Client windows and return to the Login screen.
Help	Click Help tool to view help information	List area, Configure area > Help tool and menu Click the Help menu or tool to open the home page of the IMPAX 6.5.1 Client Knowledge Base: Extended, in the same language displayed by the IMPAX Client interface text.
Hospital Information System	Used to connect to the HIS	Text area > Order panel HIS information is displayed directly within the Text area. All textual information is collected in one spot to prevent interference with image display.
Licensing	Licenses are associated with physical Client stations. They limit what Client features can be made available through access controls.	Configure area - Users and Roles > Licensing bar Licenses are assigned to users and roles, not physical stations. They limit what Client features can be made available through permissions.

IMPAX 5.2	Description	IMPAX 6.5.1 comparison
Select features		
System Configuration	Use the System Configuration tool to launch the Service Tools.	Configure area, Administration Tools > All System-wide configurations are made in the Configure area. Some system variables are still defined in the Service Tools, which are now called Administration Tools.
Data Export		
Burn CD with Viewer	The Burn CD with Viewer tool is used to burn studies to CD with the Image Viewer, which allows them to be viewed on computers that do not have IMPAX installed.	List area, Image area > Export Studies command The Export Studies command opens the Export dialog, where you can select the CD > Prepare Local CD option and select the Include image viewer on each disk checkbox. The Image Viewer functionality is the same as in IMPAX 5.2 and earlier.
CD Export	CD Export burns the selected studies onto the CD for export to another station.	List area, Image area > Export Studies command The Export Studies command opens the Export dialog, where you can select the CD > Burn Local CD option to launch a previously prepared burn job.
Image Management		
Delete Image	The functionality of the Delete tool differs depending on if you are working in Select or in Display. In Select, Delete removes a selected study from the local cache.	Image area > Delete Image tool Removes the selected image from a study. (You can also remove a study from a worklist by right-clicking it and selecting Remove, but the study remains in the system.)
Information		
Add Keywords	Add, remove, or edit keywords available for system-wide use.	List area, Text area > Keywords Keywords functionality is the same as previous versions of IMPAX.
All Study Comments	Contain all the comments associated with all studies for a patient. It is a read-only version of the comments.	Text area > Study panel, Study Comments Displays study comments. All study comments are displayed in the Text area. Study information popups do not cover the image.
Associate Keywords	There are two steps to using keywords. First, make the keyword	List area, Text area > Keywords

IMPAX 5.2	Description	IMPAX 6.5.1 comparison
Select features		
	available to system users in the Add Keywords dialog. Second, associate keywords with various studies. After a keyword is associated with a study, perform a search for the study using that keyword as one of your Finder Criteria.	Keywords functionality is the same as previous versions of IMPAX.
Keywords	A keyword is a descriptive word or phrase used to indicate the contents of a study.	List area, Text area > Keywords Keywords functionality is the same as previous versions of IMPAX.
Study Information	The Study Information dialog presents the details gathered from the RIS about the study.	Text area > Study panel Displays the study metadata. All study information is now collected into the Text area and study information popups do not appear over the image.
Network		
Support installation of Cacheless, Cached, Standalone	There are three types of IMPAX Display Stations: Cacheless, Cached, and Standalone. The type of station you are using affects the way you use the IMPAX Display Station to view images.	Installation > Configuration Supports Cacheless and Standalone stations only. Cached stations are not supported in IMPAX 6.5.1. Standalone no longer has a dedicated installer.
Organization		
Bookmark	Take a freeze frame of the current state of Display, in case of interruption.	Image area > Set Aside Set Aside feature in Image area. Rather than save a bookmark, users “set aside” a study when interrupted. The study appears as a tab in the Image area. Studies are set aside if the station logs out automatically after a configured period of disuse.
Display Bookmark	Allows you to view the bookmark that you captured when you were interrupted.	Image area > Set Aside Click the Study tab in the Image area to return to a set aside study. It is saved as they left it.
Load Snapshot	Load a snapshot from Select.	Image area > Snapshot This feature is available in the menu beside the snapshot button.

IMPAX 5.2 Select features	Description	IMPAX 6.5.1 comparison
Schedule	The Schedule contains a collection of studies you set up to view at a later time.	List area > Worklists IMPAX 6.5.1 streamlines standard and scheduled worklists together into a new interface.
Patient / Image / Series Linking		
Link Patients	Link Patients is a Select menu item that connects studies for a patient that has multiple records with different patient IDs.	List area > Link Patients command Linking multiple patient records as one patient, you can view all of the studies and priors for that patient together.
Study Management		
Protect Study	Use Protect Study to prevent Autopilot from removing particular studies from cache. If you unprotect a study, the study becomes available again for deletion from cache.	Text area > Study panel Select a study and select the Protect checkbox to prevent a study from being deleted from cache by the Administration Tools Autopilot function.
Retrieve Study	Retrieve a study residing in a location other than the IMPAX cluster where your machine is located before you can view it.	List area, Text area > Worklist, search results, or Study List An icon indicates studies that need to be retrieved. Right-click the study and select Retrieve.
Transmit - Select	The Transmit tool sends selected studies to other cached stations located within or outside the cluster (for example, to a doctor who is working from home).	List area, Image area > Transmit command Send studies to external stations or locations outside the cluster. Accessible through a worklist or Advanced Search bar menu and the Image area context menu.
Teaching File		
Teaching File	Add studies into a teaching file. Once added, you can move studies to another folder or copy them to other folders if more than one description applies to the study.	Text area > Study List Teaching files are viewed and managed through Teaching Files tab of the Study List in the Text area.
UCSF Teaching File	The UCSF Teaching File system is an application specific to UCSF for the purposes of cataloging and distributing teaching file information to its physicians.	This feature is not available in IMPAX 6.5.1.
Tools		

IMPAX 5.2 Select features	Description	IMPAX 6.5.1 comparison
Display Quality Control Images	Test functions such as Data Integrity and Image Subtraction. The tool is most effective when used in conjunction with test images whose qualities are already known.	This tool is no longer available, but you can still test monitor quality by using DICOM SMPTE images.
FixUp	Use the FixUp tool to compare unverified studies against information in the HIS/RIS to fix typographical errors.	List area > Fix Up command The Fix Up command is accessible from a worklist bar menu. Compare unverified studies against information in the HIS/RIS to fix typographical errors.
Inject Test Images	Adds a test file from a CD to the database. Use the test file is used to calibrate images and to test image levels	This tool is no longer available, but you can still test monitor quality by using DICOM SMPTE images.
Print	Take the images from a selected study and prints them to film or paper.	List area, Image area > Export Studies command The Export Image command opens the Export dialog, where you can select the Print option to print studies, series, images, or selected images to a DICOM printer.
Print Parameters	The Print Parameters tool allows you to configure the settings for all installed printers, and to set system- and user-level printing presets based on modality.	Configure area > Printers Add or edit printer attributes and delete printers in this section of the Configure area.
Retrieve Report	The Retrieve Report tool opens the report or dictated diagnosis associated with a study.	Text area > Report panel The report related to the study being viewed in the Image area is displayed in the Report panel of the Text area. This facilitates the comparison of prior reports to prior images, particular on two- and three-monitor workstations.
Wizards		
Edit Wizards	Make the necessary changes to the wizard.	List area > Wizard toolbar, Edit command List area wizards in the IMPAX 6.5.1 Client use VB.NET as a scripting language. Although created in the List area, they can affect the Image area, Configure area, or other applications—they are not limited to List area actions.

IMPAX 5.2 Select features	Description	IMPAX 6.5.1 comparison
New Wizard	A custom wizard records a series of steps that a user performs repeatedly to automate that task. A wizard can contain any action performed in Select. They are created by recording the actions to be performed by the wizard.	List area > Wizard toolbar, New command List area wizards use VB.NET as a scripting language. Although created in the List area, they can affect the Image area, Configure area, or other applications. The functionality previously performed by Select wizards is largely replaced by creating standard worklists.
Record New Wizard	Records a series of steps that a user performs repeatedly to automate that task.	List area > Worklists The functionality previously performed using Select wizards is now available by defining standard worklists. These cannot be created by recording actions, however.
Worklist and Worklists Management		
Add to Worklist	After you have examined the contents of the Search Results list and determined which studies you want to view, add those studies to the worklist to view them in Display.	List area > Worklists Standard worklists are populated automatically based on predefined criteria. They can be set to automatically update as new studies come in. You can drag studies from a standard worklist to a scheduled worklists.
Add With All Studies	Move selected studies from the Search Results list to the worklist with all of studies for the selected Patient ID.	List area > Worklists, search results Studies in search results do not have to be moved to worklists before you can open them in the Image area. Just right-click the study and select Open with Images.
Add With Relevant Priors	The selected studies are moved to the worklist. If any relevant priors or additional studies are retrieved, all studies for that patient are grouped under the patient name in the worklist. The patient name has a folder with a plus symbol (+) beside it to indicate more than one study.	List area > Relevance button To open relevant priors automatically when you cycle a worklist or open a study with images, click the Relevance button.
New	Create a new worklist with the Finder Criteria set to default.	List area > Worklist Library Worklists are created and added in the Worklist Library.
Open	To open multiple worklists, use the Open tool. The performance level of	List area > Worklist Library

IMPAX 5.2 Select features	Description	IMPAX 6.5.1 comparison
	your system determines the number of worklists you can open during a session.	Select the worklists to display from the Worklist Library.
Refresh Query	Search the database based on the combination of Finder Criteria you select. Studies that match all the criteria are returned in the Search Results list.	List area > Worklists, Advanced Search Advanced Search includes a New Search checkbox. To update worklists, you can click the Refresh button. Worklists can also be configured to update automatically with new studies.
Remove All from Worklist	Move all studies in the current worklist back to the Search Results list. Use this tool to clear the worklist.	List area > Worklists To remove studies from a worklist, right-click them and select Remove.
Reset Query Criteria	Clear the Search Results list and returns all Finder Criteria back to the default settings.	List area > Advanced Search Advanced Search includes a New Search checkbox.
Save	Save stores a worklist for future use.	List area > Worklist Library Created worklists are automatically saved for future use.
Show Study Arrival Window	Used to view the Stat Study list.	This feature is not available in IMPAX 6.5.1.
All Studies	Return all studies matching given patient ID.	List area, Text area > Search, Study List Using Search or Advanced Search, you can locate all studies for a patient by name or ID. As well, all Patient Priors known to IMPAX are automatically loaded in the Study List area when the study is displayed.
Relevant Priors	Studies are returned as relevant only if there are prior rules set up for your User ID.	List area, Text area > Relevance button, Study List To open relevant priors automatically when you cycle a worklist or open a study with images, click the Relevance button. All Patient Priors known to IMPAX are automatically loaded in the Study List area when the study is displayed.

IMPAX 5.2 and IMPAX 6.5.1 feature comparison: Display

(Topic number: 54975)

IMPAX 5.2 Display features	Description	IMPAX 6.5.1 comparison
Access Control		
Access Control	Configure the access control matrix to give or deny access to system features for all users.	Configure area > Users and Roles - Permissions tab The administrator has complete control of access to studies per user or role.
Application		
Exit	If working in Display, click Exit to return to the Select screen.	Image area > Text button (single monitor) IMPAX no longer has the concept of closing the Image area. To return to the List area or Text area on a single-monitor, click the Text button. With multiple monitors, the Image area can stay open (but sometimes blank). To exit the application, click Logout .
Help	Click Help tool to view help information	Image area, List area, Configure area > Help tool and menu Click the Help menu or tool to open the home page of the IMPAX 6.5.1 Client Knowledge Base: Extended, in the same language displayed by the IMPAX Client interface text.
Licensing	Licenses are associated with physical Client stations. They limit what Client features can be made available through access controls.	Configure area - Users and Roles > Licensing bar Licenses are assigned to users and roles, not physical stations. They limit what Client features can be made available through permissions.
System Configuration	Use the System Configuration tool to launch the Service Tools.	Configure area, Administration Tools > All System-wide configurations are made in the Configure area. Some system variables are still defined in the Service

IMPAX 5.2 Display features	Description	IMPAX 6.5.1 comparison
		Tools, which are now called Administration Tools.
Undo/Redo Toggle	Reverse/reapply the action.	This feature is not available in IMPAX 6.5.1. The Undo and Redo tools are still available.
Data Create		
Summary Series	The Summary Series tool opens a floating palette to which you can add images to create a summary sampling from the study.	Image area > Add to Key Images command Summary Series is replaced by key images in IMPAX 6.5.1. Key images are added through the context (right-click) menu.
Summary Study	Combines images from one or more series or studies as a summary study.	Image area > Summary Study tool Combines images from one or more series or studies as a summary study.
Data Export		
Copy to Clipboard	Copy individual images to the Windows Clipboard for use in any graphics program.	Image area > Export Studies command The Export Image command opens the Export dialog, where you can select the Copy to Clipboard option to copy the clicked image to the Windows Clipboard for use in other graphics programs.
Export as AVI	The Export as AVI tool exports images within a selected series as an AVI file.	Image area > Export Studies command The Export Image command opens the Export dialog, where you can select the AVI option to convert studies, series, or selected images to AVI format.
Export as JPEG	The Export Images as JPEG tool exports selected images, an entire series of images, or an entire study as .jpg format files.	Image area > Export Studies command The Export Image command opens the Export dialog, where you can select the JPEG option to convert studies, series, selected images, or one image to JPEG format.
Data Import		

IMPAX 5.2 Display features	Description	IMPAX 6.5.1 comparison
Import Image	Adds an image in BMP or JPEG format to a study.	Image area > Import tool Adds an image in BMP or JPEG format to a study.
Dictation		
Dictate	Marking a study as Dictated, changes the study status to indicate that you have assumed dictation responsibility for a study.	Image area > Dictate Study tool Changes the dictation status of a single study to dictation started or dictation completed.
Dictate – Multiple Studies	Dictate multiple studies.	Image area > Dictate Study tool To launch dictation on multiple studies for one patient, right-click the Dictate Study button and select which studies to dictate.
Show Dictation Window	Use the Show Dictation window to view the status of your current dictation.	Image area > TalkStation integration When using the TalkStation integration, right-click the Dictate Study button and select the Show/Hide Dictation Window command.
Image Management		
Delete Image	Removes the selected image from a study.	Image area > Delete Image tool Removes the selected image from a study.
Image Processing		
Compression configuration	Used to set the compression ratio applied to the image.	Image area > View Original Images tool IMPAX 6.5.1 users (with permission to do so) can configure whether they receive full DICOM or wavelet images. The server determines the compression configuration.
Information		
All Study Comments	The All Study Comments tool contains all the comments associated with all studies for	Text area > Study panel, Study Comments Displays study comments. All study comments are displayed in the Text

IMPAX 5.2 Display features	Description	IMPAX 6.5.1 comparison
	a patient. It is a read-only version of the comments.	area. Study information popups do not cover the image.
Study Information	The Study Information dialog presents the details gathered from the RIS about the study.	Text area > Study panel Displays the study metadata. All study information is now collected into the Text area and study information popups do not appear over the image.
Internationalization		
CJK decoded data	Display data using East Asian characters.	All areas > CJK IMPAX 6.5.1 has similar CJK display capabilities as IMPAX 5.2.
Markup		
Tumor Volume (Calculate the Volume of a Series of ROI's)	The Volume tool allows you to find the volume of a Region of Interest (ROI) in a CT or MR study, specifically the volume of tumors.	This feature is not available in IMPAX 6.5.1.
Navigation		
Advance by Page/Image/Tab	The Advance button is a toggle that determines how you can scroll through images in Display.	Image area > Advance by Image, page, or Tab tool Allows you to scroll from one image or frame to the next; pages through images in a large series, one screen at a time; allows you to scroll from one tabbed image to the next.
Tab Toggle	Adds navigation tabs to images of interest.	Image area > Tab Toggle tool Adds navigation tabs to images of interest.
Organization		
Bookmark	Take a freeze frame of the current state of Display, in case of interruption.	Image area > Set Aside Set Aside feature in Image area. Rather than save a bookmark, users “set aside” a study when interrupted. The study appears as a tab in the Image area. Studies are set aside if the station logs

IMPAX 5.2 Display features	Description	IMPAX 6.5.1 comparison
		out automatically after a configured period of disuse.
Display Bookmark	Allows you to view the bookmark that you captured when you were interrupted.	Image area > Set Aside Click the Study tab in the Image area to return to a set aside study. It is saved as they left it.
Load Snapshot	Load a snapshot from Select.	Image area > Snapshot This feature is available in the menu beside the snapshot button.
Add Snapshot to Schedule	Use the Add Snapshot to Schedule tool to add snapshots you create to the schedule for viewing at a later time.	Image area > Snapshot Associate snapshots with a scheduled worklist by using the Snapshot tool.
Schedule	The Schedule contains a collection of studies you set up to view at a later time.	List area > Worklists IMPAX 6.5.1 streamlines standard and scheduled worklists together into a new interface.
Patient / Image / Series Linking		
Link Patients	Use this menu item to link all the studies for the patient for viewing in Display.	List area > Link Patients command Linking multiple patient records as one patient, you can view all of the studies and priors for that patient together.
Link Series	Connects two or more series so that navigation, window leveling, or zooming performed on one series applies to them all. With this tool, you manually synchronize series.	List area > Link Series tool Connects two or more series so that navigation, window leveling, or zooming performed on one series applies to them all. With this tool, you manually synchronize series.
Link Series by Table Position	Connects series with automatic slice position synchronization so that navigation, window leveling, or magnification performed on one series applies to all series.	List area > Link Series tool Connects series with automatic slice position synchronization so that navigation, window leveling, or magnification performed on one series applies to all series.

IMPAX 5.2 Display features	Description	IMPAX 6.5.1 comparison
Print		
WYSIWYG Print	This tool opens the WYSIWYG Printing utility where you can drag and drop specific images to create a custom print layout.	Image area, Configure area > Composite Layout Chooser tool, Preferences - Composite Layout tab WYSIWYG has been renamed as Composite Layouts Templates are created in the Configure area and are then accessible in the Image area by anyone with the appropriate privileges. The functionality is the same as before.
Snapshot		
Take Snapshot	Take the snapshot for the study and the changes after it was taken are included in the snapshot.	Image area > Snapshot tool Takes a snapshot of the current layout, including screen formats and window levels, and saves it to a scheduled worklist for use during a round or conference.
Study Management		
Transmit - Display	Send studies to other cached stations or to cached stations located outside the cluster, (for example, to a doctor who is working from home).	List area, Image area > Transmit command Send studies to external stations or locations outside the cluster. Accessible through a worklist or Advanced Search bar menu and the Image area context menu.
Study Presentation		
Demographics Toggle	Shows or hides patient demographics on study images.	Image area > Demographics Toggle tool Shows or hides patient demographics on study images.
Display Markups Toggle	Hides all markups, displays all markups, or displays only your markups.	Image area > Display Markup Toggle tool Hides all markups, displays all markups, or displays only your markups.
Magnify Glass	Opens a separate window that magnifies the section of the image directly beneath.	Image area > Magnify Glass tool

IMPAX 5.2 Display features	Description	IMPAX 6.5.1 comparison
		Opens a separate window that magnifies the section of the image directly beneath. Available from the Zoom button menu.
Magnify Rectangle	Zooms in on a specific area of an image.	Image area > Magnify Rectangle tool Zooms in on a specific area of an image.
Magnify/Pan Reset	Reverts all magnification and panning applied to any images in the study to the previously saved state.	Image area > Magnify/Pan Reset tool Reverts all magnification and panning applied to any images in the study to the previously saved state. Available from the Zoom button menu.
Presentation State Selection	Applies a grayscale softcopy presentation state.	Image area > Presentation State Selection tools Applies a grayscale softcopy presentation state.
Teaching File		
Teaching File	Add studies into a teaching file. Once added, you can move studies to another folder or copy them to other folders if more than one description applies to the study.	Text area > Study List Teaching files are viewed and managed through Teaching Files tab of the Study List in the Text area.
UCSF Teaching File	The UCSF Teaching File system is an application specific to UCSF for the purposes of cataloging and distributing teaching file information to its physicians.	This feature is not available in IMPAX 6.5.1.
Tools		
Auto Window Level on ROI	Obtains the optimum window level values within a selected region of the image and applies those values to the entire image.	Image area > Auto Window Level on Selected ROI tool Obtains the optimum window level values within a selected region of the image and applies those values to the entire image. Available from the Window Level button menu.

IMPAX 5.2 Display features	Description	IMPAX 6.5.1 comparison
Breakout Gated Series	Creates a temporary series that displays the same point of a heart cycle through time in NM studies.	Image area > Break Out Gated Series tool Creates a temporary series that displays the same point of a heart cycle through time in NM studies.
Cine Viewer	Plays back series in Ultrasound, XA, and NM studies, for example, either in a continuous cine or frame-by-frame.	Image area > Cine Viewer tool Plays back series in Ultrasound, XA, and NM studies, for example, either in a continuous cine or frame-by-frame.
Collimate	Crops an image to eliminate any unnecessary matter. The Collimate tool is used most often on DF or RF studies.	Image area > Collimate tool Crops an image to eliminate any unnecessary matter. The Collimate tool is used most often on DF or RF studies. Available from the Markup button menu.
Compare	Displays two enlarged copies of an image side by side and assess the effect of changing the window level or other presentation options.	Image area > Compare tool Displays two enlarged copies of an image side by side and assess the effect of changing the window level or other presentation options.
Configurable Study Save	Saves the changes of the type specified in the user profile that were made to the current study.	Image area > Configurable Study Save tool Saves the changes of the type specified in the user profile that were made to the current study.
Create Combined Series	Scrolls through all of the images in the study, without series boundaries, by combining all of the series in the study into a new series.	Image area > Create Combined Series tool Scrolls through all of the images in the study, without series boundaries, by combining all of the series in the study into a new series.
Cursor Mode	Presents a 3D context for images in MR studies and shows the location of slice positions.	Image area > Cursor Mode tool Presents a 3D context for images in MR studies and shows the location of slice positions.

IMPAX 5.2 Display features	Description	IMPAX 6.5.1 comparison
Customize	Use the Customize dialog to configure how Display functions.	Image area > Customize tool Opens a dialog for setting user preferences for toolbars, screen layouts, hanging protocols, startup defaults, markup statistics, automatic study saves, modality preferences, image wizards, keyboard shortcuts, and cine viewer.
Display Annotation	Opens an Annotation dialog. Use this dialog to place freeform text on the image.	Image area > Markup Annotation tool Opens an Annotation dialog. Use this dialog to place freeform text on the image. Available from the Markup button menu.
Display Quality Control Images	Test functions such as Data Integrity and Image Subtraction. The tool is most effective when used in conjunction with test images whose qualities are already known.	This tool is no longer available, but you can still test monitor quality by using DICOM SMPTE images.
Display Scout	Opens a Scout window that shows the slice location in CT and MR studies.	Image area > Display Scout tool Opens a Scout window that shows the slice location in CT and MR studies. Fixed button in the top toolbar.
Edit DICOM Elements	Edits the image acquisition elements kVp, mAs, SID, and Technician Code.	Image area > Edit DICOM Elements tool Edits the image acquisition elements kVp, mAs, SID, and Technician Code.
Edit Markups	Moves or resizes image markups.	Image area > Edit Markup tool Moves or resizes image markups. Available from the Markup button menu.
Extended Monitor Display	Displays an enlarged instance of a series in a new window on an extended color monitor.	Image area > Extended Monitor Display tool Displays an enlarged instance of a series in a new window on an extended color monitor.

IMPAX 5.2 Display features	Description	IMPAX 6.5.1 comparison
FixUp	Use the FixUp tool to compare unverified studies against information in the HIS/RIS to fix typographical errors.	Image area > Fix Up command The Fix Up command is accessible from a worklist bar menu. Compare unverified studies against information in the HIS/RIS to fix typographical errors.
Flip Horizontal	Rotates a selected image along its horizontal axis.	Image area > Flip Horizontal tool Rotates a selected image along its horizontal axis. Available from the Geometry button menu.
Flip Vertical	Rotates a selected image along its vertical axis.	Image area > Flip Vertical tool Rotates a selected image along its vertical axis. Available from the Geometry button menu.
Geometry Reset	Returns all rotation and flips applied to any image in the study back to the previously saved state.	Image area > Geometry Reset tool Returns all rotation and flips applied to any image in the study back to the previously saved state. Available from the Geometry button menu.
Image Enhancement (Sharpen)	Produces a sharper, enhanced image edge by accentuating the difference between a pixel value and a weighted average of the surrounding pixels.	Image area > Image Enhancement tool Produces a sharper, enhanced image edge by accentuating the difference between a pixel value and a weighted average of the surrounding pixels.
Image Information	Displays demographic details and orthopaedic implant details and allows you to print the information	Image area > Image Information tool Displays demographic details and orthopaedic implant details and allows you to print the information
Image Pasting	Aligns a series of XA images that were taken to track a radiopaque agent through the body.	Image area > Image Pasting tool Aligns a series of XA images that were taken to track a radiopaque agent through the body.
Image Selection	Selects images that other tools can be applied to.	Image area > Image Selection tool Selects images that other tools can be applied to.

IMPAX 5.2 Display features	Description	IMPAX 6.5.1 comparison
Inject Test Images	Adds a test file from a CD to the database. Use the test file is used to calibrate images and to test image levels	This tool is no longer available, but you can still test monitor quality by using DICOM SMPTE images.
Invert	The Invert tool exchanges the white and black areas in an image.	Image area > Invert tool The Invert tool exchanges the white and black areas in an image. Available from the Window Level button menu.
Markup Angle	Measures angles in an image.	Image area > Markup Angle tool Measures angles in an image. Available from the Markup button menu.
Markup Arrow	Places a markup arrow to point to areas of interest.	Image area > Markup Arrow tool Places a markup arrow to point to areas of interest. Available from the Markup button menu.
Markup Arrow - Line	The Markup Arrow - Line tool creates a line arrow to pinpoint areas of interest on an image. The size of the arrowhead is proportional to the length of the line drawn.	Only a single type of Markup arrow is available, although the arrow automatically adjusts for size depending on length.
Markup Arrow - Thick	The Markup Arrow - Thick tool creates a thick, filled arrow to pinpoint areas of interest on an image. The size of the arrowhead is proportional to the length of the line drawn.	Only a single type of Markup arrow is available, although the arrow automatically adjusts for size depending on length.
Markup Caliper	Measures the distance between two points.	Image area > Markup Caliper tool Measures the distance between two points. Available from the Markup button menu.
Markup Ellipse	The Markup Ellipse tool highlights elliptical anomalies on an image.	A Markup Ellipse tools is available for measuring elliptical regions of interest. See “Markup Region of Interest (ROI)” later in this table.

IMPAX 5.2 Display features	Description	IMPAX 6.5.1 comparison
Markup Erase	The Markup Erase tool removes any markup associated with an image.	Image area > Markup Erase tool Deletes markups. Available from the Markup button menu.
Markup Freeform	Deletes markups.	Image area > Markup Freeform tool Measures an irregularly shaped area. Available from the Markup button menu.
Markup Profile	Creates a graph that illustrates the Hounsfield Unit of the image pixels intersected by a line drawn on the image.	Image area > Markup Profile tool Creates a graph that illustrates the Hounsfield Unit of the image pixels intersected by a line drawn on the image.
Markup Ratio Caliper	Creates a ratio measurement of two lines on an image.	Image area > Markup Ratio Caliper tool Creates a ratio measurement of two lines on an image. Available from the Markup button menu.
Markup Rectangle	Measures a rectangular region of an image.	Image area > Markup Rectangle tool Measures a rectangular region of an image. Available from the Markup button menu.
Markup Region of Interest (ROI)	Measures an elliptical region.	Image area > Markup Ellipse tools Measures an elliptical region. Available from the Markup button menu.
Markup Reset	Reverts all markups applied to any images in the study to the previously saved state.	Image area > Markup Reset tool Reverts all markups applied to any images in the study to the previously saved state. Available from the Markup button menu.
Multi-Planar Reformatting	Allow you to view anatomy along its central axis or perpendicular to that central axis.	Image area > Volume Viewing tool MPR is handled via a separate, integrated application called Volume Viewing.
NM Palette Reset	Removes all color palettes applied to the current study.	Image area > NM Palette Reset tool

IMPAX 5.2 Display features	Description	IMPAX 6.5.1 comparison
		Removes all color palettes applied to the current study.
Nuclear Medicine Palette	Applies a specified color palette to grayscale images in a study.	Image area > Nuclear Medicine Palette tool Applies a specified color palette to grayscale images in a study.
Pan	Changes the image position without changing the magnification	Image area > Pan tool Changes the image position without changing the magnification
Patient Priors	The Patient Priors tool displays a list of all studies for the current Patient ID.	Text area > Study List All Patient Priors known to IMPAX are automatically loaded in the Study List area when the study is displayed. Prior information is always available, reducing steps required to access required information.
Pin/Unpin Studies	Pins a study in place and keeps it visible while navigating through other studies for the patient.	Image area > Pin/Unpin Studies tool Pins a study in place and keeps it visible while navigating through other studies for the patient.
Pixel Value Toggle	Displays or hides the image pixel value beneath the pointer.	Image area > Pixel Value Toggle tool Displays or hides the image pixel value beneath the pointer. Available from the Markup button menu.
Print	The Print tool takes the images from a selected study and prints them to film or paper.	List area, Image area > Export Studies command The Export Image command opens the Export dialog, where you can select the Print option to print studies, series, images, or selected images to a DICOM printer.
Print Parameters	The Print Parameters tool allows you to configure the settings for all installed printers, and to set system-	Configure area > Printers Add or edit printer attributes and delete printers in this section of the Configure area.

IMPAX 5.2 Display features	Description	IMPAX 6.5.1 comparison
	and user-level printing presets based on modality.	
Projection Mode	Displays an enlarged instance of an image in a projection window.	Image area > Projection Mode tool Displays an enlarged instance of an image in a projection window.
Rearrange Images	Reorders the images in a series	Image area > Rearrange Images tool Reorders the images in a series
Rearrange Series	Reorders the series in a study.	Image area > Rearrange Series tool Reorders the series in a study.
Redo	Reverses the effect of the previous Undo command.	Image area > Redo tool Reverses the effect of the previous Undo command
Replication/Interpolation Toggle	"Switches between pixel replication and pixel averaging mode for redrawing images on magnification."	Image area > Replication/Interpolation Toggle tool Switches between pixel replication and pixel averaging mode for redrawing images on magnification.
Reset Images	Reverts all images in the study to their previously saved state.	Image area > Reset Images tool Reverts all images in the study to their previously saved state.
Rotate 180	Rotate images 180 degrees.	Image area > Rotate 180 tool Rotates images 180 degrees. Available from the Geometry button menu.
Rotate Left	Rotates images 90 degrees to the left.	Image area > Rotate Left tool Rotates images 90 degrees to the left. Available from the Geometry button menu.
Rotate Right	Rotates images 90 degrees to the right.	Image area > Rotate Right tool Rotates images 90 degrees to the right. Available from the Geometry button menu.

IMPAX 5.2 Display features	Description	IMPAX 6.5.1 comparison
Save	Saves selected changes to the study.	Image area > Save tool Saves selected changes to the study.
Scope	Defines whether tool actions apply to one image, to all images in the series, or to all images in the study.	Image area > Scope tool or command Defines whether tool actions apply to one image, to all images in the series, or to all images in the study. Also available as a context (right-click) menu command.
Screen Format	Defines how images, series, and studies are arranged in columns and rows on an Image area monitor.	Image area > Select Screen Format tool Defines how images, series, and studies are arranged in columns and rows on an Image area monitor.
Segment Study	The Segment study tool assigns the images of the performed study to each of the scheduled studies.	List area > Advanced Search - Segment Segmenting a study means breaking a single study into multiple studies for one patient. Available from the Advanced Search bar menu.
Series View Mode	Defines whether each Image area monitor that displays the same studies also displays the same series of those studies.	Image area > Series View Mode tool Defines whether each Image area monitor that displays the same studies also displays the same series of those studies.
Service Window	Displays DICOM header information for an image.	Image area > Service Window tool Displays DICOM header information for an image.
Set Series Hanging Protocol	Applies an available hanging protocol to the current study.	Image area > Set Series Hanging Protocol tool Applies an available hanging protocol to the current study.
Show Available Series	Opens the Available Series window	Image area > Show Available Series tools Opens the Available Series palette.
Smooth Rotation	The Smooth Rotation tool is used in CR studies. This tool	Image area > Smooth Rotation tool

IMPAX 5.2 Display features	Description	IMPAX 6.5.1 comparison
	allows you to trace the incorrect angle and the result makes the line you draw perfectly vertical.	Rotates an image by making a line drawn on the image perfectly vertical . Available from the Geometry button menu.
Sort by Attribute	Sorts images in the series according to available DICOM attributes	Image area > Sort by Attribute tool Sorts images in the series according to available DICOM attributes
Spine Annotation	Labels the location of slices in axial MR or CT images. Available in the Scout window.	Image area > Spine Annotation tool Labels the location of slices in axial MR or CT images. Available in the Scout window.
Split multi-phasic Series	Splits a multi-phasic series into multiple series, each containing one phase.	Image area > Split Multi-Phasic Series tool Splits a multi-phasic series into multiple series, each containing one phase.
Split Study	Split a study into an existing patient record. This feature is used if images from one patient were mistakenly associated with a study for another patient.	List area > Advanced Search - Split Splitting a study means associating some of the images from a study with a different patient. Split is used when images from one patient are mistakenly associated with a study for another patient. Available from the Advanced Search bar menu.
Study View Mode	Defines whether each Image area monitor displays different studies or whether studies span two or four monitors.	Image area > Study View Mode tool Defines whether each Image area monitor displays different studies or whether studies span two or four monitors.
System Layout Protocols	Applies a system screen layout to the current patient, changing how the studies, images, and series are displayed on the available monitors	Image area > System Layout Protocols tool Applies a system screen layout to the current patient, changing how the studies, images, and series are displayed on the available monitors
Template	Opens images into the Orthopaedic Application	Image area > Template tool or command

IMPAX 5.2 Display features	Description	IMPAX 6.5.1 comparison
	window, an integrated application.	Opens images into the Orthopaedic Application window, an integrated application.
Undo	Reverse the last change made.	Image area > Undo tool Reverses the last change made.
User Image Calibration	Calibrates an image, series, or study; reverts from user to modality calibration; or applies ERMF calibration, if available.	Image area > User Image Calibration tool Calibrates an image, series, or study; reverts from user to modality calibration; or applies ERMF calibration, if available.
View Structured Report	The View Structured Report tool opens the structured report associated with a cardiology study.	IMPAX 6.5.1 has a similar set of tools for cardiology as previous versions, but the majority of the cardio functionality comes from the integration with IMPAX Cardiovascular.
Window Level	Changes image brightness and contrast by adjusting window center and window width values.	Image area > Window Level tool Changes image brightness and contrast by adjusting window center and window width values and gives access to preset window level values. Available from the Window Level button menu.
Window Level DR Images	Changes the window level values of an image based on graphical curve adjustments.	Image area > Nonlinear Window Level tool Changes the window level values of an image based on graphical curve adjustments.
Window Level Preset	With the Window level preset tool, you can override the window level defaults that the system administrator has defined in the Modality Preferences tab of the Customize dialog.	Image area > Window Level tool Right-click the Window Level button tool to access the window level preset values. Available from the Window Level button menu.
Window Level Reset	Reverts window level changes to the previously saved state.	Image area > Window Level Reset tool

IMPAX 5.2 Display features	Description	IMPAX 6.5.1 comparison
		Reverts window level changes to the previously saved state. Available from the Window Level button menu.
Zoom	Magnifies or reduces images in increments.	Image area > Zoom tool Magnifies or reduces images in increments. Available from the Zoom button menu.
Zoom 1:1 Pixel	Displays the selected image at a 1:1 ratio.	Image area > Zoom 1:1 Pixel tool Displays the selected image at a 1:1 ratio. Available from the Zoom button menu.
Zoom to Full Screen	Magnifies a single image to full screen size.	Image area > Zoom to Full Screen tool Magnifies a single image to full screen size. Available from the Zoom button menu.
Zoom True Size	Displays the image at its actual size, based on available image information.	Image area > Zoom True Size Displays the image at its actual size, based on available image information. Available from the Zoom button menu.
Wizards		
Wizard	A custom wizard record a series of steps that a user performs repeatedly to automate that task.	Image area > Wizard buttons Wizards are defined in the Customize dialog, Wizards tab. They can then be assigned to tool buttons that can be added to the top or context toolbars. Wizards automate repetitive tasks.

WEB1000 and IMPAX 6.5.1 feature comparison

(Topic number: 55002)

WEB1000 features	Description	IMPAX 6.5.1 comparison
Access Control		

WEB1000 features	Description	IMPAX 6.5.1 comparison
Grant Access	Used to allow other teams to view studies.	Configure area > Users and Roles The Administrator defines images that users have access to. User may also have emergency access granted to them to allow access to particular studies on an emergency basis.
Switch Teams	Used to switch to an additional team for viewing the different studies.	Teams do not exist in IMPAX 6.5.1. Users exist in an organizational structure in LDAP server, and may be organized into specific roles within this structure with access based on membership to that role.
WEB1000 Teams	Used in WEB1000 to determine which studies you are allowed to view.	Teams do not exist in IMPAX 6.5.1. Users exist in an organizational structure in LDAP server, and may be organized into specific roles within this structure with access based on membership to that role.
Advanced		
Monitor Calibration through test pattern	Used to verify that your monitor is calibrated correctly through the Test Pattern.	Configure area > Stations Monitor calibration is now set through the Configure area - Stations section.
Application		
Broker Support	A middleware component in the integration between Hospital Information Systems and PACS systems.	Configure area, Connectivity Manager > Users and Roles Licenses for features are assigned to users and roles through the Configure area. Connectivity Manager replaces Broker.
Button Size	The WEB1000 window is resized to a narrow enough size.	Button size cannot be configured in IMPAX 6.5.1.
Change Password	Allow user to change the password for maintaining the security of WEB1000.	List area, Configure area > Change Password command Select the Change Password command from the User ID menu.
Concurrent Users	Display the current user logged into the client, user's current team ID, default team ID, privilege level and user ID.	Configure area > Users and Roles Feature Licensing. Different implementation from previous versions, but offers greater functionality. Licenses for features are assigned to users/roles in the Configure area.

WEB1000 features	Description	IMPAX 6.5.1 comparison
Conference with current study	Collaborate about a study with other users logged into the system.	No conference capabilities are available in IMPAX 6.5.1.
Configure Client Log Level	Set the Client Log level by selecting either Debug, Info, or Error log level.	Configure area > Stations Configure area allows for changes to the IMPAX Client logging level to debug problems. New method of configuration, but similar to previous versions in logging levels available.
Configure Study Columns	Set the Study page to show only certain columns of information in the Display list.	List area > Worklists Users or administrators may configure the column display in the IMPAX 6.5.1 Client using right-click functionality.
Configure Toolbars	Set toolbars by modality.	Image area > Customize tool The Toolbars tab in the Customize dialog is used to define which tool buttons are available in the toolbars.
Display as Images	Specify the study format.	List area > Worklists Display with Images or Add to Cycle list allows users to display a selected study.
Display as Thumbnails	Display the study images in the thumbnail tab	There are no thumbnail display options in IMPAX 6.5.1. IMPAX 6.5.1 offers a larger set of image display options to solve the same problems that viewing a study in thumbnails solves, such as key images and Available Series palette.
Enable default lossy compression	Used to compress images for faster viewing. Can be set by default.	Configure area, Administration Tools > Users and Roles The Administrator determines which users have access to view full fidelity or wavelet images and compression ratios. Compression setting are confined to a central location for ease of administration.
EPR	URL. Small software application which runs within a web browser.	EPR > URL Integration IMPAX 6.5.1 allows integration of the Image area into another application via a URL. URL integration is similar to previous versions, but

WEB1000 features	Description	IMPAX 6.5.1 comparison
		requires a full install of the IMPAX Client on EPR computers.
EPR	JavaScript. Small software application which runs within a web browser.	EPR > URL Integration IMPAX 6.5.1 allows integration of the Image area into another application via a URL. URL integration is similar to previous versions, but requires a full install of the IMPAX Client on EPR computers.
EPR	Java API to store all user account information in WEB1000.	EPR > .NET integration IMPAX 6.5.1 allows complete integration of the Image area into another application for image display purposes.
EPR	The Java applet used by WEB1000 is signed with a digital certificate allowing it to access certain features of your computer such as printing.	This feature is not available in IMPAX 6.5.1.
EPR availability	The purchased licensing feature.	Configure area > Users and Roles Feature licensing is completely different from previous versions, but offers greater functionality. Licenses for features are assigned to users and roles through the Configure area.
Generic Status Message	The Service Tools application is used by service and administrative personnel to configure and maintain the cluster.	Image area > Status bar Image area displays information in the lower toolbar similar to the information that was previously available.
Licensed Features	Used to list all of the purchased licensed features.	List area > Help > About IMPAX The type of license can be viewed, but the features available in that license is not displayed. Descriptions of the licenses are available in the IMPAX Documentation.
Modality Viewing	CR, DR, XA, MG. view a series of images from a modality.	Configure area > Users and Roles Feature licensing is completely different from previous versions, but offers greater functionality. Licenses for features are assigned to users and roles through the Configure area.

WEB1000 features	Description	IMPAX 6.5.1 comparison
Multiframes to MPEG	Used to display MPEGs as wavelets.	Configure area > Users and Roles Feature licensing is completely different from previous versions, but offers greater functionality. Licenses for features are assigned to users and roles through the Configure area.
Multiframes to wavelet	Allow licensed users to view multiframe MPEG study images as wavelets.	Configure area > Users and Roles Feature licensing is completely different from previous versions, but offers greater functionality. Licenses for features are assigned to users and roles through the Configure area.
Online Help	Used to open the WEB1000 Knowledge Base	List area, Configure area, Image area > Help button or menu Click the Help menu or tool to open the home page of the IMPAX Client Knowledge Base, in the same language displayed by the IMPAX Client interface text.
Software module versions	List packages, modules and their corresponding version numbers included in the server build.	No software module versions functionality is available in IMPAX 6.5.1.
Switch server	Used to search other locations for studies.	There is no switch server functionality available in IMPAX 6.5.1.
Third-party libraries, versions, copyrights	List all of the third party vendor products, versions and providers used in WEB1000 .	List area > Help > About IMPAX Some third-party libraries, versions, and copyright information is displayed in the About box. Other copyright information is available in the IMPAX Documentation.
Using IE ActiveX Control	URL ActiveX enables the software to view MPEGs with licensed component.	EPR > Help > URL Integration IMPAX 6.5.1 allows integration of the Image area into another application via a URL.
Webstart	Used to start WEB1000 for the first time.	This feature is not available in IMPAX 6.5.1.
Authentication		
LDAP	The external authentication name.	Installation > Configuration

WEB1000 features	Description	IMPAX 6.5.1 comparison
		LDAP authenticates users on the system. IMPAX 6.5.1 may use an internal LDAP database, or a site enterprise LDAP database.
MVF	The database user name, defined in the ODBC, usually mvf.	In IMPAX 6.5.1, user authentication is done through LDAP.
NT Domain	NT server name.	Configure area In IMPAX 6.5.1, user authentication is done through LDAP.
Radius	Radius server name.	This feature is not available in IMPAX 6.5.1.
WEB1000 Tickets	Used to make Client-Server communicated.	IMPAX 6.5.1 authenticates tickets with the LDAP server.
Client Machine		
Configure Disk Cache size (for Pull)	Specify the Disk Cache Size in megabytes to store the pulled images.	This feature is not available in IMPAX 6.5.1.
Configure RAM Cache size	Specify the RAM Cache size to store the images.	Configure area > Stations Change the RAM cache in the Configure area - Stations, General bar, Memory tab.
Set Machine Settings	Configure the profile settings for your machine.	Configure area > Stations Configure local IMPAX Client machine settings.
Conference		
Cancel Chat contents	Erase what you have typed before they are sent in the conference.	No conference capabilities are available in IMPAX 6.5.1.
Chat History	View all messages that have been composed by the users.	No conference capabilities are available in IMPAX 6.5.1.
Disconnect	Disconnect from a conference session.	No conference capabilities are available in IMPAX 6.5.1.
Freeform drawing tool	Not available in Display tab	No conference capabilities are available in IMPAX 6.5.1.
Image ROI	Used to start formatting the shape of the Region of Interest.	No conference capabilities are available in IMPAX 6.5.1.

WEB1000 features	Description	IMPAX 6.5.1 comparison
Image Slider	Used to add the Image Slider to the toolbars.	No conference capabilities are available in IMPAX 6.5.1.
Link Images	Used when making changes to an image that you want to apply to all images in that series. For example, adjusting window/level.	No conference capabilities are available in IMPAX 6.5.1.
Screen Format	1x1, 2x2, 3x2, 3x3, 4x4	No conference capabilities are available in IMPAX 6.5.1.
Sent Chat Contents	Check the message that has been sent to other users in the conference.	No conference capabilities are available in IMPAX 6.5.1.
Window Level	Use window/level tools to manipulate image contrast by adjusting window center and window width.	No conference capabilities are available in IMPAX 6.5.1.
Connectivity		
Optional Broker support	Broker support may not be available; the client must be able to handle this effectively and remove inappropriate features.	IMPAX 6.5.1 supports Connectivity Manager 2.3 only for modality worklist, HIS verification, and reporting.
Database		
SQLServer and Oracle database support	Support and maintain the WEB1000 server.	Installation > Server IMPAX supports usage of both Oracle and MSSQL databases.
Display		
Display	Display the images at the radiologist's display station.	Image area > Screen layouts IMPAX 6.5.1 has the ability to display images in a variety of different formats.
Toggle Series Selector	Used to toggles the Thumbnail Series Tray off to provide a larger viewing area or on for ease of navigation.	Image area > Show Available Series tool Show Available Series palette includes docking features.
File Caches		

WEB1000 features	Description	IMPAX 6.5.1 comparison
Support for multiple caches for possible media types	Image Cache vs. Web Cache; configuration must exist for Image / Study Deletes	Installation > Server IMPAX 6.5.1 maintains separate caches for DICOM and Wavelet data—image cache for DICOM data and web cache for wavelet.
Image Management		
Delete Studies	Delete studies from the WEB1000 Server.	Administration Tools > Study Manager Delete study in the Administration Tools is the same as it was in previous versions of the Service Tools. There is no delete of studies from the Client.
Image Processing		
Compression configuration	Used to set the compression ratio applied to the image.	IMPAX 6.5.1 users (with permission to do so) can configure whether they receive full DICOM or wavelet images. The server determines the compression configuration.
Information		
Study Information	Used to view all the information available for a study	Text area > Study panel Display of study metadata. All study information is now collected into the Text area, and study information pop-ups do not appear over the image.
Internationalization		
CJK decoded data	Used to display the CJK data.	All areas > CJK IMPAX 6.5.1 has similar CJK display capabilities as IMPAX 5.2.
Markup		
Caliper	Used to measure the distance between two points in millimeters. .	Image area > Markup Caliper tool Available in the top toolbar from the Markup button menu. Similar to previous versions of IMPAX, but different from WEB1000 implementation.
Flip Horizontal	Used to rotate and flip images.	Image area > Flip Horizontal tool Available in the top toolbar from the Markup button menu. Similar to previous versions of

WEB1000 features	Description	IMPAX 6.5.1 comparison
		IMPAX, but different from WEB1000 implementation.
Flip Vertical	Used to rotate and flip images.	Image area > Flip Vertical tool Flip Vertical tool
Save Markup	Used to save to the database any markups you have made to the image.	Image area > Save tool Select Save from top toolbar and choose to save markup. Users may also use the Configurable Save tool to define what is saved ahead of time.
MPEG		
Adjust Brightness / Contrast	Adjust brightness or contrast as the MPEG is playing.	Image area > Cine Viewer tool Cine Viewer and the brightness/contrast feature can be configured to be in the top or context toolbar. There is no MPEG support in IMPAX 6.5.1
Adjust Frame rate	Change the number of frames played per second.	Image area > Cine Viewer tool In the Cine Viewer toolbar. change the number of frames played per second with the Frame Rate slider or field. There is no MPEG support in IMPAX 6.5.1.
Adjust Min/Max frame	Display the min/max size at which the MPEG is played.	Image area > Cine Viewer tool Customize the starting point per body part per modality. There is no MPEG support in IMPAX 6.5.1.
Full-screen playback	Playback images in full screen mode.	There is no MPEG support in IMPAX 6.5.1.
Pan	Pan (when zoomed in on an MPEG)	Image area > Cine Viewer tool Grab and drag the cine while zoomed. There is no MPEG support in IMPAX 6.5.1.
Play / Pause cine loop	Play/Pause images in a continuous loop or in still format.	Image area > Cine Viewer tool Play/Pause images in a continuous loop or in still format. There is no MPEG support in IMPAX 6.5.1.
Save MPEG	Save the MPEG images.	There is no MPEG support in IMPAX 6.5.1.

WEB1000 features	Description	IMPAX 6.5.1 comparison
Set Current Frame	Set the current frames in the MPEG. For use in still format.	There is no MPEG support in IMPAX 6.5.1.
Zoom	Used in Full Resolution mode to select the magnification value.	Image area > Cine Viewer tool The Cine Viewer toolbar can include a Zoom button. There is no MPEG support in IMPAX 6.5.1.
Navigation		
Image Slider	Used to add the Image Slider to the toolbars.	Image area > Navigation Image navigation is available in the top toolbar.
Image Tagging	Used to navigate to the specific images. By tagging images, you can scroll through just the images that are of interest, eliminating the need to repeatedly view numerous images.	Image area > Advance by Tab tool, Tab Toggle tool Used to navigate to the specific images. By tagging images, you can scroll through just the images that are of interest, eliminating the need to repeatedly view numerous images.
Next Series	Used to navigate between series in a study.	Image area > Show Available Series tool The Show Available Series palette includes navigation buttons.
Previous Series	Used to navigate between series in a study.	Image area > Show Available Series tool The Show Available Series palette includes navigation buttons.
Select All Series	Combine all series into one.	Image area > Create Combined Series tool Combine all selected series into one series.
Network		
Client Proxy Settings	Used to set up proxies in Internet Explorer to pass requests out/in to the Internet through a firewall.	Configure area > Stations The Application Server acts much like a proxy machine to handle security, authentication, and communication with the IMPAX Server components. Communication with the Application Server is set in the Configure area.
Support all combinations of (SSL or non-SSL) x (Forward proxy	Support SSL and all types of proxy server designed to provide secure communications on the Internet.	Installation > Server The Application Server acts much like a proxy machine to handle security, authentication,

WEB1000 features	Description	IMPAX 6.5.1 comparison
and/or reverse proxy) = 8 combinations		and communication with the IMPAX Server components.
Print		
Print	Used to print images or reports.	List area, Image area > Export Studies command The Export Image command opens the Export dialog, where you can select the Print option to print studies, series, images, or selected images to a DICOM printer.
Reports		
Adjust Font Size	Changes the font size on a report.	Text area > Reports panel Reports are viewed in the Reports panel; however, the font size cannot be changed.
DICOM Structured Report	The reports of radiologic images and other medical information transferred between computers via DICOM.	IMPAX 6.5.1 has a similar set of tools for cardiology as previous versions, but the majority of the cardio functionality comes from the integration with IMPAX Cardiovascular.
HTML	Hypertext Markup Language. Extension for a file read using your web browser (Internet Explorer or Netscape Navigator).	Text area > Reports panel Reports are viewed in the Reports panel; however, reports cannot be saved under different formats.
HTML, PDF, TXT, Word	Web 5 proposed feature	This feature is not available in IMPAX 6.5.1.
Patient / Study Selector	Used to navigate between studies by patient on the Display page	Text area > Reports panel Reports are navigated by changing the patient in focus in the Text area, or changing to an available prior for a patient in focus. Reports are displayed in the Report panel in the Text area.
Print Report	Used to print reports.	Text area > Reports panel If using the IMPAX RIS, you can print reports from the Text area.
Retrieve Reports	Used to retrieve available reports from the broker.	Text area > Reports panel

WEB1000 features	Description	IMPAX 6.5.1 comparison
		Reports are automatically displayed in Text area. The user is not required to retrieve reports as they are automatically available in the Text area.
RTF	Save reports in Rich Text Format.	Text area > Reports panel Reports are viewed in the Reports panel; however, reports cannot be saved under different formats.
Support for Multiple Brokers for Reports	Search and retrieve available reports from the multiple brokers.	IMPAX 6.5.1 supports Connectivity Manager 2.3 only, which supports only one connection to a report source at a time.
Toshiba Reports	Custom work was completed to modify report presentation for Toshiba.	This feature is not available in IMPAX 6.5.1.
TXT	Extension for a plain text file (unformatted text).	Text area > Reports panel Reports are viewed in the Reports panel; however, reports cannot be saved under different formats.
Save		
Save images as JPEG	Save an image to the local disk as a JPEG image.	List area, Image area > Export Studies command The Export Image command opens the Export dialog, where you can select the JPEG option to convert studies, series, selected images, or one image to JPEG format.
Security		
Optionally Restrict all network traffic to specific port and protocol	Reduce the network traffic and secure the port access.	Installation > Server IMPAX 6.5.1 Server is automatically armored during installation to secure port access, as part of an armoring script
Server configuration		
Server logging level configurable	Used to configure the server logging.	Configure tools CLUI, Administration Tools, and IMPAX 6.5.1 Business Services Configuration Tools handle the various areas of logging. The Application

WEB1000 features	Description	IMPAX 6.5.1 comparison
		Server adds an additional area where server logging will need to be configured.
Serviceability		
Activity Manager	Service Tools.	IMPAX 6.5.1 does not have equivalent functionality.
Study Management		
Protect Study	Used to prevent studies from being deleted from the WEB1000 Server.	Text area > Study panel Select a study and select the Protect checkbox to prevent a study from being deleted from cache by the Administration Tools Autopilot function.
Study Presentation		
Configure Client Compression	Used to set up the amount of compression applied to the image.	Administrator configures compression at the server and whether the end user is able to view original or web images. Users are not able to configure the lossy/lossless representation of images, only the original or web. The current implementation removes the need for the user to decide what representation they should request; the system or administrator does it for them.
Configure Scaling Algorithm	Calculate magnification of the images using a scale type.	This feature is not available in IMPAX 6.5.1.
Demographics Configuration	The Display Overlay feature shows or hides the demographic information displayed on images.	Image area > Demographics Toggle Shows or hides patient demographics on study images.
Screen Format	1x1, 1x2, 2x1, 2x2, 2x3, 3x2, 3x3, 4x4, full-res (1:1), wavelet cine	Image area > Screen Format tool 1x1, 1x2, 2x1, 2x2, 2x3, 3x2, 3x3, 4x4, full-res (1:1), wavelet cine
Toggle Demographics	Set the image default demographics displayed and included patient demographics, study information, image attribute, and other demographic information set by your system administrator.	Image area > Demographics Toggle Shows or hides patient demographics on study images.

WEB1000 features	Description	IMPAX 6.5.1 comparison
Toggle lossy / lossless compression	Used to compress images for faster viewing. Can be set by default.	The Administrator configures compression at the server and determines whether the end user is able to view DICOM or web images. The user is not able to configure the lossy/lossless representation of images, only original or web.
Toggle MPEG / Wavelet multiframe preference	Allow the user to indicate the users preference for the media type to be used for multiframe	There is no MPEG support in IMPAX 6.5.1.
Study Query		
Query	Studies are displayed grouped by patient; Studies with conflicts are displayed in red italics; o Users are warned about studies that fail verification through a dialog.	List area > Search IMPAX 6.5.1 offers Advanced Search or Simple search.
Query Location	Search all locations, web cache only, Web + HIS (Broker), or remote PACS's	List area > Search IMPAX 6.5.1 offers Advanced Search or Simple search.
Refresh Query	Allow user to refresh the studies.	List area > Search IMPAX 6.5.1 offers Advanced Search or Simple search.
Thumbnail Display		
Display Selected Images	Display the selected images with preset study presentation format.	No thumbnail display options are in 6.5.1. IMPAX 6.5.1 offers a larger set of image display options to solve the same problems that viewing a study in thumbnails solves, such as key images and Available Series palette.
Select All Images	Used to select all of the images in a study.	There are no thumbnail display options in 6.5.1. IMPAX 6.5.1 offers a larger set of image display options to solve the same problems that viewing a study in thumbnails solves.
Select Study / Patient	Used to toggles the Thumbnail Series Tray off to provide a larger viewing area or on for ease of navigation.	There are no thumbnail display options in 6.5.1. IMPAX 6.5.1 offers a larger set of image display options to solve the same problems that viewing a study in thumbnails solves, such as key images and Available Series palette.

WEB1000 features	Description	IMPAX 6.5.1 comparison
Toggle Series Thumbnail View	Used to display small, low-resolution version of study images.	There are no thumbnail display options in 6.5.1. IMPAX 6.5.1 offers a larger set of image display options to solve the same problems that viewing a study in thumbnails solves.
Waveform		
Dynamic Playback format	Used to control how the images are played back.	IMPAX 6.5.1 has a similar set of tools for cardiology as previous versions, but the majority of the cardio functionality come from the integration with IMPAX Cardiovascular.
Image Slider	Used to add the Image Slider to the toolbars.	IMPAX 6.5.1 has a similar set of tools for cardiology as previous versions, but the majority of the cardio functionality come from the integration with IMPAX Cardiovascular.
Overlay other additional waveforms	Overly the other additional waveforms.	IMPAX 6.5.1 has a similar set of tools for cardiology as previous versions, but the majority of the cardio functionality come from the integration with IMPAX Cardiovascular.
Page backward 10 s	For use in static format. Displays previous 10 seconds.	IMPAX 6.5.1 has a similar set of tools for cardiology as previous versions, but the majority of the cardio functionality come from the integration with IMPAX Cardiovascular.
Page forward 10 s	For use in static format. Displays next 10 seconds.	IMPAX 6.5.1 has a similar set of tools for cardiology as previous versions, but the majority of the cardio functionality come from the integration with IMPAX Cardiovascular.
Play waveform	Play the waveform.	IMPAX 6.5.1 has a similar set of tools for cardiology as previous versions, but the majority of the cardio functionality comes from the integration with IMPAX Cardiovascular.
Standard 12-lead format	Display 12-lead ECG. Cannot be used to play waveforms.	IMPAX 6.5.1 has a similar set of tools for cardiology as previous versions, but the majority of the cardio functionality comes from the integration with IMPAX Cardiovascular.
Static Format	Display in static format. Cannot be used to play waveforms. Activates Previous and Next 10 seconds buttons.	IMPAX 6.5.1 has a similar set of tools for cardiology as previous versions, but the majority of the cardio functionality comes from the integration with IMPAX Cardiovascular.
Stop waveform	Halt the cine player and presents a still frame only.	IMPAX 6.5.1 has a similar set of tools for cardiology as previous versions, but the

WEB1000 features	Description	IMPAX 6.5.1 comparison
	Elapsed time in seconds is displayed on the toolbar.	majority of the cardio functionality comes from the integration with IMPAX Cardiovascular.
Toggle Color Display	Select color or black and white view.	IMPAX 6.5.1 has a similar set of tools for cardiology as previous versions, but the majority of the cardio functionality comes from the integration with IMPAX Cardiovascular.
Toggle Grid display	Turn the background grid on or off.	IMPAX 6.5.1 has a similar set of tools for cardiology as previous versions, but the majority of the cardio functionality comes from the integration with IMPAX Cardiovascular.
Toggle looped playback	Used to view waveforms in motion. Activates the play, stop, and enable/disable looping buttons.	IMPAX 6.5.1 has a similar set of tools for cardiology as previous versions, but the majority of the cardio functionality comes from the integration with IMPAX Cardiovascular.
Zoom Mode	Show zoomed sub region of waveform.	IMPAX 6.5.1 has a similar set of tools for cardiology as previous versions, but the majority of the cardio functionality comes from the integration with IMPAX Cardiovascular.
Wavelet		
Adjust Min/Max frame	Display the min/max size at which the wavelet is played.	Image area > Cine Viewer tool In the Cine Viewer toolbar. change the number of frames played per second with the Frame Rate slider or field.
Adjust Min/Max frame	Display the min/max size at which the wavelet is played.	Image area > Cine Viewer tool Display the min/max size at which the wavelet is played.
Angle	Used to mark the interior and exterior angles formed by two lines.	Image area > Markup Angle tool Available in the top toolbar from the Markup button menu.
Ellipse	Used to measure a round or oblong area.	Image area > Markup Ellipse tool Available in the top toolbar from the Markup button menu.
Freeform ROI	Used to mark an area with an irregular shape.	Image area > Markup Freeform tool Available in the top toolbar from the Markup button menu.

WEB1000 features	Description	IMPAX 6.5.1 comparison
Invert	Reverse the background and foreground colors of any image.	Image area > Invert tool Available in the top toolbar from the Markup button menu.
Magnify Glass	Used to enlarge an area of an image. You can drag the magnify glass to different areas of interest on the image.	Image area > Magnify Glass tool Available in the top toolbar from the Markup button menu.
Magnify Rectangle	Used to magnify a static area on the image.	Image area > Magnify Rectangle tool Available in the top toolbar from the Markup button menu.
Pan	Used to drag the image on the screen to see all parts of the image.	Image area > Pan tool Used to drag the image on the screen to see all parts of the image.
Play / Pause / Stop loop	Play/Pauses/Stops the wavelet.	Image area > Cine Viewer tool Play/Pauses/Stops the wavelet.
Progressive Download	Download all the images in a study.	Image area Users can progressively download image data to the client. If users are using wavelet (web) images in display, only the data that is needed is downloaded. This feature is not available with full DICOM images.
Save Window level as preset	Used to save the value of adjusted brightness and contrast on an image.	IMPAX 6.5.1 does not have the ability to save a window level preset based on changes made to the current study. Window level presets are created via the Customize menu in the Image area.
Select Window Level from Preset	Used to choose the brightness and contrast on an image.	Image area > Window Level tool Right-click the Window level button menu to select the preset to apply.
Set Current Frame	Display the current frame playing.	Image area > Cine Viewer tool Display the current frame playing.
Set Zoom (%)	Display the size at which the wavelet is played.	Image area > Cine Viewer tool Display the size at which the wavelet is played.

WEB1000 features	Description	IMPAX 6.5.1 comparison
Toggle looping	Play the wavelet from start to finish continuously.	Image area > Cine Viewer tool Play the wavelet from start to finish continuously.
Toggle Rocking	Play the wavelet from start to finish and then from finish to start continuously.	Image area > Cine Viewer tool Play the wavelet from start to finish and then from finish to start continuously.
Window Level	Manipulate image contrast by adjusting window center and window width.	Image area > Window Level tool Manipulate image contrast by adjusting window center and window width. This may be the default tool in the Image area, so no action is required. If it is not the default tool, it is available in the top toolbar from the Window Level button menu.
Zoom	Used in Full Resolution mode to select the magnification value.	Image area > Zoom tool Available in the top toolbar from the Zoom button menu.
Wizards		
Edit Existing Wizard	Modify search wizard criteria, constraints, and names using the Wizard tab on the Preferences tool.	List area > Worklists The functionality previously performed using wizards is now available by defining standard worklists.
New Wizard	Create custom automatic searches.	List area > Worklists The functionality previously performed using wizards is now available by defining standard worklists.
Worklist Management		
Pull All	Used download all images in a study to the local hard disk on your computer.	This feature is not available as IMPAX 6.5.1 does not support cached clients.

IMPAX 5.2 tables obsolete in IMPAX 6.5.1

(Topic number: 55118)

Some of the entries in the IMPAX 5.2 and 5.3 database tables have become obsolete in the IMPAX 6.5.1 database.

Obsolete tables in WSQL

(Topic number: 55025)

Table name	Module name
mitra_voice_command_keywords	activex-voice
mitra_display_pinned_studies	display-sql
mitra_display_special_format	display-sql
mitra_display_config	display-sql
mitra_ae_config	display-sql
mitra_display_markup_text	display-sql
mitra_display_modality_config	display-sql
mitra_display_worklist	display-sql
mitra_user_calibration	display-sql
mitra_display_modality_toolbar	display-sql
mitra_display_hanging_protocol	display-sql
mitra_display_site_hanging	display-sql
mitra_display_toolbar_buttons	display-sql
mitra_display_format	display-sql
mitra_display_user_wizards	display-sql
mitra_display_wizards	display-sql
mitra_display_site_wizards	display-sql
mitra_display_priv_wizards	display-sql
mitra_lut_tables	display-sql
mitra_display_snapshot	display-sql
mitra_display_mpr_vr_presets	display-sql

Table name	Module name
mitra_display_ordering	display-sql
mitra_display_study_sorting	display-sql
mitra_display_xml_config	display-sql
mitra_display_wizard_state	display-sql
mitra_display_echo_values	display-sql
mitra_display_echo_data	display-sql
jselect_data_dictionary	mvf-jselect-sql
jselect_user_script_button	mvf-jselect-sql
mitra_select_available_combos	mvf-select-sql
mitra_select_available_columns	mvf-select-sql
mitra_select_user_columns	mvf-select-sql
mitra_select_user_combos	mvf-select-sql
mitra_finder_wizards	mvf-select-sql
mitra_select_toolbar	mvf-select-sql
mitra_select_user_settings	mvf-select-sql
mitra_cerner_apps	mvf-select-sql
mitra_select_telerad_aes	mvf-select-sql
mitra_select_rond_items	mvf-select-sql
mitra_select_rond_config	mvf-select-sql
mitra_select_rond_departments	mvf-select-sql
mitra_select_rond_link	mvf-select-sql
mitra_select_rond_holidays	mvf-select-sql
mitra_select_user_toolbar	mvf-select-sql
mitra_study_arrive_rule_xml	mvf-select-sql
cd_burn_wizard	mvf-select-sql
cd_export_service	mvf-select-sql
mitra_window_positions	mvf-select-sql
mitra_select_avail_context	mvf-select-sql
mitra_select_user_context	mvf-select-sql
mitra_select_status_macros	mvf-select-sql

Table name	Module name
mitra_user_enumerated_attr	mvf-select-sql
mitra_avail_study_list_columns	mvf-select-sql
mitra_user_study_list_columns	mvf-select-sql
mitra_user_study_list_defaults	mvf-select-sql
mitra_mw_finder_wizards	mvf-select-sql
mitra_user_fixup_columns	mvf-select-sql
mitra_avail_fixup_columns	mvf-select-sql
mitra_user_rond_columns	mvf-select-sql
mitra_avail_rond_columns	mvf-select-sql
dosr_user.user.data.sql	display-sql
mitra_select_user_keyword	mvf-select-sql
mitra_user_tf_report_items	mvf-select-sql
mitra_avail_tf_report_items	mvf-select-sql

Obsolete tables in ORAS

(Topic number: 55124)

Table name	Module name
mf_staff	mtk
mf_procedure	mtk
mf_location	mtk
mtk_query_constraints	mtk
mtk_user_source	mtk
mtk_user_destination	mtk
mtk_user_layout	mtk
dosr_team	dosr
dosr_user_team	dosr
dosr_user_history	dosr
dosr_password_history	dosr
dosr_privileges	dosr
dosr_wl_presets	dosr

Table name	Module name
dosr_user	dosr

Default operations for each role

3

The following information lists the default operations for each role.

Administrator role: Default Administration Tools operations


(Topic number: 54865)

Legend:

A	Assigned functionality
I	Inherited functionality

Operation	Clerical IT	Administration		
		Security Officer	Service Administrator	System Administrator
Autopilot Management				
View		A	A	A
Basic Framework				
Acknowledge		A	A	A
Delete			A	A
View		A	A	A
Basic Routing Manager				

Operation	Administration			
	Clerical	IT	Security Officer	Service System Administrator
View		A	A	A
Body Part Manager				
View			A	A
Cache Manager				
View		A	A	A
Cache Monitor				
View		A	A	A
Demographic Layout Manager				
New DICOM Field			A	A
View			A	A
Enumerated Values Manager				
View			A	A
Image Access Manager				
View			A	A
Job Manager				
Start/Halt Queues		A	A	A
View		A	A	A
Network Manager				
View		A	A	A
Patient Location Manager				
View			A	A
Print Date Manager				
View			A	A
Quality Test Manager				
View		A	A	A
Queue Monitor				
View		A	A	A
Relevant Prior Manager				
View			A	A

Operation	Administration			
	Clerical	IT	Security Officer	Service System Administrator
Routing Manager				
View		A	A	A
Scavenger Manager				
 Note: Do not use. As of IMPAX 6.5, Scavenger Manager is no longer supported.		A	A	A
Source Manager				
View		A	A	A
Specialty Manager				
View			A	A
Study Manager				
Add/Remove Search and Transmit Locations			A	A
Delete Completely			A	A
Delete from Archive			A	A
Delete from Cache			A	A
Fix All Studies			A	A
Lock/Unlock Study			A	A
Merge			A	A
Merge Physicians			A	A
Protect/Unprotect Study			A	A
Retrieve		A	A	A
Split			A	A
Store		A	A	A
Store to Archive			A	A
Store to Archive (Open)			A	A
Store to Archive (New)		A	A	A

Operation	Administration			
	Clerical	IT	Security Officer	Service System Administrator
Store to Archive (Dictated)		A		A
Store to Archive (Reported)		A		A
Store to Archive (Approved)		A		A
Study Information		A		A
System-Wide Values				A
Transmit		A		A
View		A		A
Study Presentation Manager				
View				A
Web Compression Manager				
Delete				A
Save				A
View		A		A

Administrator role: Default Audit Manager operations

(Topic number: 54868)

Legend:

A	Assigned functionality
I	Inherited functionality

General

Operation	Administration			
	Clerical	IT	Security Officer	Service System Administrator
Administrator Role				A
Security Officer Role			A	

Administrator role: Default PACS Server operations

(Topic number: 54874)

Legend:

A	Assigned functionality
I	Inherited functionality

General

Operation	Administration				
	Clerical	IT	Security Officer	Service	System Administrator
CLUI				A	A

Administrator role: Default PACS Client operations

(Topic number: 54871)

Legend:

3D	3D visualization	Mod_CT	Display of CT modality type
A	Assigned functionality	Mod_DR	Display of DR modality type
CA	Client automation	Mod_MG	Display of MG modality type
CAD	Display of CAD markers	Mod_MR	Display of MR modality type
COMPREV	Mammography	Mod_NM	Display of NM modality type
CONFIG	Configuration area	Mod_US	Display of US modality type
CS	Context Server	Mod_XA	Display of XA modality type
HP	Hanging protocols	OT	Orthopaedic integration
I	Inherited functionality	QC	Quality
L1	Level 1 Basic Feature Set	RONDS	Scheduling and review of ronds
L2	Level 2 Basic Feature Set	TF	Teaching files
Mod_ALL	Display of all modality types	TS	TalkStation integration
Mod_CR	Display of CR modality type		

General

Operation	License level	Administration						System Administrator
		Top-level	Clerical	IT	Security Officer	Service		
At-a-Glance							A	
Edit At-a-Glance Messages	L1						A	
Show At-a-Glance	L1	I	I	I	I	I	A	
Audible Notification	L1	I	I	I	I	I	A	
Change Password	CONFIG	I	I	I	I	I	A	
Configure Area				A	A		A	
Individual Configuration	CONFIG						A	
Preferences	CONFIG					A	A	
Printers	CONFIG			A		A	A	
Service	CONFIG						A	
Stations	CONFIG			A		A	A	
Users and Roles	CONFIG					A	A	
Context Server Integrations							A	
Allow Single Sign-on	CS	I	I	I	I	I	A	
Enable Context Server Integrations	CS	I	I	I	I	I	A	
Cycle Studies	L1						A	
Delete Study							A	
Edit Columns	L1						A	
Edit Enumerated Values							A	
Edit Viewable Worklists							A	
Export and Import Studies							A	
Export Studies with Image Viewer	L1					A	A	
Export Studies with Reports	L1					A	A	

Operation	License level	Administration						System Administrator
		Top-level	Clerical	IT	Security Officer	Service		
Import Studies	L1					A	A	
History	L1	I	I	I	I	I	A	
Image Area	L1	I	I	I	I	I	A	
Image Area Tools							A	
3D	3D						A	
Active Target	L1						A	
Apply Hanging Protocols	HP						A	
Apply System Layout Protocols	L1	I	I	I	I	I	A	
Auto Window Level	L1	I	I	I	I	I	A	
Break Out Gated Series	L1						A	
Cine Viewer	L1	I	I	I	I	I	A	
Comparative Review	COMPREV					A	A	
Compare	L1	I	I	I	I	I	A	
Create Combined Series	L1	I	I	I	I	I	A	
Create Summary Study	L2	I	I	I	I	I	A	
Customize	L1	I	I	I	I	I	A	
Demographics Toggle	L1	I	I	I	I	I	A	
Display Markup Toggle	L1	I	I	I	I	I	A	
Display Scout	L1	I	I	I	I	I	A	
Edit New Series Descriptions	L1						A	
Extended Monitor Display	L1	I	I	I	I	I	A	
Histogram Equalization	L1						A	

Operation	License level	Administration						System Administrator
		Top-level	Clerical	IT	Security Officer	Service		
Image Enhancement	L2						A	
Image Information Window	L1	I	I	I	I	I	A	
Image Pasting	L1						A	
Image Selection	L1	I	I	I	I	I	A	
Linking	L1	I	I	I	I	I	A	
Mammography CAD SR Toggle	CAD						A	
MPR	L2						A	
Nonlinear Window Level	L1	I	I	I	I	I	A	
Nuclear Medicine Palette	L1						A	
Paired Zoom and Pan	L1						A	
Pin Study	L1	I	I	I	I	I	A	
Pixel Value Toggle	L1	I	I	I	I	I	A	
Presentation State Selection	L1	I	I	I	I	I	A	
Projection	L1	I	I	I	I	I	A	
Rearrange Series	L1	I	I	I	I	I	A	
Screen Layout	L1	I	I	I	I	I	A	
Service Window	L1			A		A	A	
Sort Images	L1	I	I	I	I	I	A	
Split Multi-Phasic Series	L1	I	I	I	I	I	A	
Tab Stops	L1						A	
True Size	L1					A	A	
Undo/Redo/Reset	L1	I	I	I	I	I	A	
View Original Images	L1						A	
Window Level	L1	I	I	I	I	I	A	

Operation	License level	Administration						System Administrator
		Top-level	Clerical	IT	Security Officer	Service		
Window Level Preset	L1	I	I	I	I	I	A	
Image Area Wizards								A
Create or Import Wizards	CA	I	I	I	I	I	A	
Delete Wizards	CA					A	A	
Edit Wizards	CA					A	A	
Run Wizards	CA	I	I	I	I	I	A	
Job Manager								A
Delete Jobs	L1			A		A	A	
Enable Job Manager	L1			A		A	A	
Modify Any Job	L1			A		A	A	
Modify Job Priority	L1			A		A	A	
Key Images Edit Favorite Titles	L1						A	
Keywords								A
Edit Personal Keywords	L1	I	I	I	I	I	A	
Edit System Keywords	L1						A	
Link Patients	L1	I	I	I	I	I	A	
Messaging Service								
Instant Messaging	L1	A	I	I	I	I	A	
Receive Study Messages	L1						A	
Modality								A
View All	MOD_ALL	I	I	I	I	I	A	
View CR	MOD_CR						A	
View CT	MOD_CT						A	
View DR	MOD_DR						A	
View MG	MOD_MG						A	

Operation	License level	Administration						System Administrator
		Top-level	Clerical	IT	Security Officer	Service		
View MR	MOD_MR							A
View NM	MOD_NM							A
View US	MOD_US							A
View XA	MOD_XA							A
Orthopaedic Application	OT							A
Override permissions on a folder	TF						A	A
Print								A
Edit Composite Layouts	L2						A	A
Print to Paper	L1	I	I	I	I	I	I	A
Quality Control								A
Acknowledge Conflict	QC						A	A
Fixup, Segment, Merge, and Split Studies	QC						A	A
Quick Fix Up	QC						A	A
Remember User Settings	L1	I	I	I	I	I	I	A
Scripting								A
Configure Scripts	L1				A		A	A
Run Scripts	L1	I	I	I	I	I	I	A
Search for Open Studies	L1							
Searching for studies								A
Add Search Criteria	L1						A	A
Advanced Search	L1				A		A	A
Configure Simple Search Criteria	L1							A
Simple Search	L1	I	I	I	I	I	I	A
Use Relevant Prior Rules	L1	I	I	I	I	I	I	A
Set Default Image Type	L1							A

Operation	License level	Administration						System Administrator
		Top-level	Clerical	IT	Security Officer	Service		
TalkStation Integration	TS						A	
Teaching Files						A	A	
Add Teaching File Folders	TF							
Delete Teaching File Folders	TF							
Modify Teaching File Folders	TF							
Update Teaching File Folders	TF							
View Teaching File Folders	TF							
Text Area							A	
Configure SmartSeek Tabs	L1						A	
Edit Favorite Study Comments	L1					A	A	
Enable Enterprise Study List	L1						A	
Enable Text Area	L1	I	I	I	I	I	A	
Private Study Comments	L1						A	
Update Study	L1							
Worklists							A	
Configure Global Priority Groups	L1						A	
Edit Viewable Worklists	L1						A	
Personal Worklists	L1						A	
Scheduled Worklists							A	
Add Studies to Scheduled Worklists	RONDS						A	

Operation	License level	Administration					System Administrator
		Top-level	Clerical	IT	Security Officer	Service	
Create Scheduled Worklists	RONDS						A
Delete Scheduled Worklists	RONDS						A
Edit Scheduled Worklists	RONDS						A
Remove Studies from Scheduled Worklists	RONDS						A
Reorder Scheduled Worklists	RONDS						A
View Scheduled Worklists	RONDS						A
Standard Worklists							A
Create Worklists	L1					A	A
Delete Worklists	L1					A	A
Edit Worklists	L1					A	A

Study-Based

Operation	License Level	Top level	Administration				System Administrator
			Clerical	IT	Security Officer	Service	
Add/Remove Key Images	L2						A
Dictate Studies as Radiologist	L1						A
Dictate Studies as Resident	L1						A
Edit Study Priority							A
Export and Import Studies							A
Export Studies to Local Media	L1					A	A
Export Studies to Remote Media	L1					A	A
Image Area Tools							A

Operation	Administration						
	License Level	Top level	Clerical	IT	Security Officer	Service	System Administrator
Collimate	L1					A	A
Delete Image (Approved)	L1						A
Delete Image (Dictated)	L1						A
Delete Image (New)	L1						A
Delete Image (Reported)	L1						A
Edit All Markups (Approved)	L1						A
Edit All Markups (Dictated)	L1						A
Edit All Markups (New)	L1						A
Edit All Markups (Reported)	L1						A
Edit DICOM Elements	L1			A		A	A
Edit Study Snapshots	L1						A
Export Images	L1	I	I	I	I	I	A
Geometry	L1	I	I	I	I	I	A
Import Images	L1						A
Invert	L1	I	I	I	I	I	A
Magnification	L1	I	I	I	I	I	A
Markup	L1	I	I	I	I	I	A
Publish SPS Objects	L1						A
Rearrange Images	L1	I	I	I	I	I	A
Save Geometry (Approved)	L1						A
Save Geometry (Dictated)	L1						A
Save Geometry (New)	L1						A

Administration							
Operation	License Level	Top level	Clerical	IT	Security Officer	Service	System Administrator
Save Geometry (Reported)	L1						A
Save Magnification/Pan (Approved)	L1						A
Save Magnification/Pan (Dictated)	L1						A
Save Magnification/Pan (New)	L1						A
Save Magnification/Pan (Reported)	L1						A
Save Markup (Approved)	L1						A
Save Markup (Dictated)	L1						A
Save Markup (New)	L1						A
Save Markup (Reported)	L1						A
Save Tab Stops	L1						A
Save User Image Calibration	L1						A
Save Window Level	L1						A
User Image Calibration	L1	I	I	I	I	I	A
Keywords							A
Associate Keywords with Study	L1	I	I	I	I	I	A
Print							A
Print Composite Layouts	L1					A	A
Print Study	L1					A	A
Study Retrieval							A

Operation	License Level	Top level	Administration				
			Clerical	IT	Security Officer	Service	System Administrator
Retrieve Offline Studies	L1			A		A	A
Retrieve Studies from External PACS	L1			A		A	A
Retrieve Studies from HSM	L1			A		A	A
Retrieve Studies from Nearline	L1	I	I	A	I	A	A
Text Area							A
Add study comments	L1	I	I	I	I	I	A
Edit Patient Demographics	QC						A
Edit Performing Physician	L1						A
Edit Study Comments	L1						A
Edit Study Status	L1						A
Protect Studies	L1						A
View Reports	L1	I	I	I	I	I	A
Transmit Studies	L1						A
View Study	L1	I	I	I	I	I	A

Cardiology role: Default PACS Client operations

(Topic number: 54889)

Legend:

3D	3D visualization	Mod_CT	Display of CT modality type
A	Assigned functionality	Mod_DR	Display of DR modality type
CA	Client automation	Mod_MG	Display of MG modality type
CAD	Display of CAD markers	Mod_MR	Display of MR modality type
COMPREV	Mammography	Mod_NM	Display of NM modality type

CONFIG	Configuration area	Mod_US	Display of US modality type
CS	Context Server	Mod_XA	Display of XA modality type
HP	Hanging protocols	OT	Orthopaedic integration
I	Inherited functionality	QC	Quality
L1	Level 1 Basic Feature Set	RONDS	Scheduling and review of ronds
L2	Level 2 Basic Feature Set	TF	Teaching files
Mod_ALL	Display of all modality types	TS	TalkStation integration
Mod_CR	Display of CR modality type		

General

Operation	License level	Top level	Cardiology		
			Cardiologist	Echo Cardio	Technologist
At-a-Glance					
Edit At-a-Glance Messages	L1				
Show At-a-Glance	L1	I	I	I	I
Audible Notification	L1	I	I	I	I
Change Password	CONFIG	I	I	I	I
Configure Area					
Individual Configuration	CONFIG				
Preferences	CONFIG				
Printers	CONFIG				
Service	CONFIG				
Stations	CONFIG				
Users and Roles	CONFIG				
Context Server Integrations					
Allow Single Sign-on	CS	I	I	I	I
Enable Context Server Integrations	CS	I	I	I	I
Cycle Studies	L1				
Delete Study					
Edit Columns	L1				
Edit Enumerated Values					
Edit Viewable Worklists					

Operation	License level	Cardiology			
		Top level	Cardiologist	Echo Cardio	Technologist
Export and Import Studies					
Export Studies with Image Viewer	L1	A	I	I	I
Export Studies with Reports	L1	A	I	I	I
Import Studies	L1	A	I	I	I
History	L1				
Image Area	L1	I	I	I	I
Image Area Tools					
3D	3D		A	A	
Active Target	L1	I	I	I	I
Apply Hanging Protocols	HP		A	A	
Apply System Layout Protocols	L1		A	A	
Auto Window Level	L1	I	I	I	I
Break Out Gated Series	L1	A	I	I	I
Cine Viewer	L1	I	I	I	I
Comparative Review	COMPREV				
Compare	L1	I	I	I	I
Create Combined Series	L1				
Create Summary Study	L2	A	I	I	I
Customize	L1				
Demographics Toggle	L1	I	I	I	I
Display Markup Toggle	L1	I	I	I	I
Display Scout	L1	I	I	I	I
Edit New Series Descriptions	L1				
Extended Monitor Display	L1	I	I	I	I
Histogram Equalization	L1		A	A	
Image Enhancement	L2		A	A	A
Image Information Window	L1	I	I	I	I
Image Pasting	L1		A	A	
Image Selection	L1	I	I	I	I

Operation	License level	Cardiology			
		Top level	Cardiologist	Echo Cardio	Technologist
Linking	L1	I	I	I	I
Mammography CAD SR Toggle	CAD	I	I	I	I
MPR	L2				
Nonlinear Window Level	L1	I	I	I	I
Nuclear Medicine Palette	L1	A	I	I	I
Paired Zoom and Pan	L1				
Pin Study	L1	I	I	I	I
Pixel Value Toggle	L1				
Presentation State Selection	L1	I	I	I	I
Projection	L1	I	I	I	I
Rearrange Series	L1	I	I	I	I
Screen Layout	L1	I	I	I	I
Service Window	L1				
Sort Images	L1	I	I	I	I
Split Multi-Phasic Series	L1				
Tab Stops	L1		A	A	
True Size	L1	A	I	I	I
Undo/Redo/Reset	L1	I	I	I	I
View Original Images	L1				
Window Level	L1	I	I	I	I
Window Level Preset	L1	I	I	I	I
Image Area Wizards					
Create or Import Wizards	CA	I	I	I	I
Delete Wizards	CA		A	A	
Edit Wizards	CA		A	A	
Run Wizards	CA	I	I	I	I
Job Manager					
Delete Jobs	L1				A
Enable Job Manager	L1				A
Modify Any Job	L1				A

Operation	License level	Cardiology			
		Top level	Cardiologist	Echo Cardio	Technologist
Modify Job Priority	L1				A
Key Images Edit Favorite Titles	L1				
Keywords					
Edit Personal Keywords	L1	I	I	I	I
Edit System Keywords	L1				
Link Patients	L1	I	I	I	I
Messaging Service					
Instant Messaging	L1	A	I	I	I
Receive Study Messages	L1				
Modality					
View All	MOD_ALL	I	I	I	I
View CR	MOD_CR				
View CT	MOD_CT				
View DR	MOD_DR				
View MG	MOD_MG				
View MR	MOD_MR				
View NM	MOD_NM				
View US	MOD_US				
View XA	MOD_XA				
Orthopaedic Application	OT				
Override permissions on a folder	TF				
Print					
Edit Composite Layouts	L2		A	A	
Print to Paper	L1	I	I	I	I
Quality Control					
Acknowledge Conflicts	QC				
Fixup, Segment, and Split Studies	QC				
Quick Fix Up	QC				A
Remember User Settings	L1	I	I	I	I
Scripting					

Operation	License level	Cardiology			
		Top level	Cardiologist	Echo Cardio	Technologist
Configure Scripts	L1				
Run Scripts	L1		A	A	
Search for Open Studies	L1				
Searching for studies					
Add Search Criteria	L1				
Advanced Search	L1	A	I	I	I
Configure Simple Search Criteria					
Simple Search	L1	I	I	I	I
Use Relevant Prior Rules	L1	I	I	I	I
Set Default Image Type	L1				
TalkStation Integration	TS				
Teaching Files	TF				
Add Teaching File Folders	TF		A		A
Delete Teaching File Folders	TF		A		A
Modify Teaching File Folder Security	TF		A		
Update Teaching File Folders	TF		A		A
View Teaching File Folders	TF		A		A
Text Area					
Configure SmartSeek Tabs	L1				
Edit Favorite Study Comments	L1		A	A	
Enable Enterprise Study List	L1				
Enable Text Area	L1	I	I	I	I
Private Study Comments	L1				
Update Study	L1				
Worklists					
Configure Global Priority Groups	L1				
Edit Viewable Worklists	L1				
Personal Worklists	L1				

Operation	License level	Top level	Cardiology		
			Cardiologist	Echo Cardio	Technologist
Scheduled Worklists					
Add Studies to Scheduled Worklists	RONDS				
Create Scheduled Worklists	RONDS	A	A		
Delete Scheduled Worklists	RONDS	A	A		
Edit Scheduled Worklists	RONDS	A	A		
Remove Studies from Scheduled Worklists	RONDS				
Reorder Scheduled Worklists	RONDS				
View Scheduled Worklists	RONDS	A	A	A	
Standard Worklists					
Create Worklists	L1	A	A		
Delete Worklists	L1	A	A		
Edit Worklists	L1	A	A		

Study-Based

Operation	License level	Top level	Cardiology		
			Cardiologist	Echo Cardio	Technologist
Add/Remove Key Images	L2	A	I	I	I
Dictate Studies as Radiologist	L1	A			
Dictate Studies as Resident	L1				
Edit Study Priority					
Export and Import Studies					
Export Studies to Local Media	L1	A	I	I	I
Export Studies to Remote Media	L1	A	I	I	I
Image Area Tools					
Collimate	L1	A	A		
Delete Image (Approved)	L1				
Delete Image (Dictated)	L1				A
Delete Image (New)	L1				A

Operation	License level	Cardiology			
		Top level	Cardiologist	Echo Cardio	Technologist
Delete Image (Reported)	L1				
Edit All Markups (Approved)	L1				
Edit All Markups (Dictated)	L1		A	A	
Edit All Markups (New)	L1		A	A	
Edit All Markups (Reported)	L1				
Edit DICOM Elements	L1				
Edit Study Snapshots	L1				
Export Images	L1	I	I	I	I
Geometry	L1	I	I	I	I
Import Images	L1	A	I	I	I
Invert	L1	I	I	I	I
Magnification	L1	I	I	I	I
Markup	L1	I	I	I	I
Publish SPS Objects	L1		A	A	A
Rearrange Images	L1	I	I	I	I
Save Geometry (Approved)	L1				
Save Geometry (Dictated)	L1		A	A	A
Save Geometry (New)	L1		A	A	A
Save Geometry (Reported)	L1				
Save Magnification/Pan (Approved)	L1				
Save Magnification/Pan (Dictated)	L1				
Save Magnification/Pan (New)	L1				
Save Magnification/Pan (Reported)	L1				
Save Markup (Approved)	L1				
Save Markup (Dictated)	L1		A	A	A
Save Markup (New)	L1		A	A	A
Save Markup (Reported)	L1				
Save Tab Stops	L1		A	A	
Save User Image Calibration	L1		A	A	

Operation	License level	Top level	Cardiology		
			Cardiologist	Echo Cardio	Technologist
Save Window Level	L1		A	A	
User Image Calibration	L1				
Keywords					
Associate keywords with study	L1	I	I	I	I
Print					
Print Composite Layouts	L1		A	A	A
Print Study	L1			A	
Study Retrieval					
Retrieve Offline Studies	L1	A	I	I	I
Retrieve Studies from External PACS	L1	A	I	I	I
Retrieve Studies from HSM	L1	A	I	I	I
Retrieve Studies from Nearline	L1	A	I	I	I
Text Area					
Add study comments	L1	I	I	I	I
Edit Patient Demographics	QC				
Edit Performing Physician	L1				
Edit Study Comments	L1		A	A	
Edit Study Status	L1		A	A	
Protect Studies	L1		A	A	
View Reports	L1	I	I	I	I
Transmit Studies	L1		A	A	
View Study	L1	I	I	I	I

Clerical Print role: Default PACS Client operations

(Topic number: 54883)

Legend:

3D	3D visualization	Mod_CT	Display of CT modality type
A	Assigned functionality	Mod_DR	Display of DR modality type

CA	Client automation	Mod_MG	Display of MG modality type
CAD	Display of CAD markers	Mod_MR	Display of MR modality type
COMPREV	Mammography	Mod_NM	Display of NM modality type
CONFIG	Configuration area	Mod_US	Display of US modality type
CS	Context Server	Mod_XA	Display of XA modality type
HP	Hanging protocols	OT	Orthopaedic integration
I	Inherited functionality	QC	Quality
L1	Level 1 Basic Feature Set	RONDS	Scheduling and review of ronds
L2	Level 2 Basic Feature Set	TF	Teaching files
Mod_ALL	Display of all modality types	TS	TalkStation integration
Mod_CR	Display of CR modality type		

General

Operation	License level	Clerical Print
At-a-Glance		
Edit At-a-Glance Messages	L1	
Show At-a-Glance	L1	A
Audible Notification		
	L1	
Change Password		
	CONFIG	A
Configure Area		
Individual Configuration	CONFIG	
Preferences	CONFIG	
Printers	CONFIG	
Service	CONFIG	
Stations	CONFIG	
Users and Roles	CONFIG	
Context Server Integrations		
Allow Single Sign-on	CS	A
Enable Context Server Integrations	CS	A
Cycle Studies		
	L1	
Delete Study		
Edit Columns		
	L1	
Edit Enumerated Values		

Operation	License level	Clerical Print
Edit Viewable Worklists		
Export and Import Studies		
Export Studies with Image Viewer	L1	A
Export Studies with Reports	L1	A
Import Studies	L1	
History	L1	
Image Area	L1	A
Image Area Tools		
3D	3D	
Active Target	L1	
Apply Hanging Protocols	HP	
Apply System Layout Protocols	L1	
Auto Window Level	L1	A
Break Out Gated Series	L1	
Cine Viewer	L1	
Comparative Review	COMPREV	
Compare	L1	
Create Combined Series	L1	
Create Summary Study	L2	
Customize	L1	
Demographics Toggle	L1	A
Display Markup Toggle	L1	A
Display Scout	L1	A
Edit New Series Descriptions	L1	
Extended Monitor Display	L1	
Histogram Equalization	L1	
Image Enhancement	L2	
Image Information Window	L1	A
Image Pasting	L1	
Image Selection	L1	A
Linking	L1	
Mammography CAD SR Toggle	CAD	

Operation	License level	Clerical Print
MPR	L2	
Nonlinear Window Level	L1	
Nuclear Medicine Palette	L1	
Paired Zoom and Pan	L1	
Pin Study	L1	
Pixel Value Toggle	L1	
Presentation State Selection	L1	
Projection	L1	
Rearrange Series	L1	
Screen Layout	L1	A
Service Window	L1	
Sort Images	L1	
Split Multi-Phasic Series	L1	
Tab Stops	L1	
True Size	L1	
Undo/Redo/Reset	L1	A
View Original Images	L1	
Window Level	L1	A
Window Level Preset	L1	A
Image Area Wizards		
Create or Import Wizards	CA	
Delete Wizards	CA	
Edit Wizards	CA	
Run Wizards	CA	
Job Manager		
Delete Jobs	L1	
Enable Job Manager	L1	
Modify Any Job	L1	
Modify Job Priority	L1	A
Key Images Edit Favorite Titles		L1
Keywords		
Edit Personal Keywords	L1	

Operation	License level	Clerical Print
Edit System Keywords	L1	
Link Patients	L1	
Messaging Service		
Instant Messaging	L1	
Receive Study Messages	L1	
Modality		
View All	MOD_ALL	A
View CR	MOD_CR	
View CT	MOD_CT	
View DR	MOD_DR	
View MG	MOD_MG	
View MR	MOD_MR	
View NM	MOD_NM	
View US	MOD_US	
View XA	MOD_XA	
Orthopaedic Application	OT	
Override permissions on a folder	TF	
Print		
Edit Composite Layouts	L2	
Print to Paper	L1	A
Quality Control		
Acknowledge Conflict		
Fixup, Segment, and Split Studies	QC	
Quick Fix Up	QC	
Remember User Settings	L1	A
Scripting		
Configure Scripts	L1	
Run Scripts	L1	
Search for Open Studies	L1	
Searching for studies		
Add Search Criteria	L1	
Advanced Search	L1	

Operation	License level	Clerical Print
Configure Simple Search Criteria	L1	
Simple Search	L1	A
Use Relevant Prior Rules	L1	A
Set Default Image Type	L1	
TalkStation Integration	TALK	
Teaching Files	TF	
Text Area		
Configure SmartSeek Tabs	L1	
Edit Favorite Study Comments	L1	
Enable Enterprise Study List	L1	
Enable Text Area	L1	A
Private Study Comments	L1	
Update Study	L1	
Worklists		
Configure Global Priority Groups	L1	
Edit Viewable Worklists	L1	
Personal Worklists	L1	
Scheduled Worklists		
Add Studies to Scheduled Worklists	RONDS	A
Create Scheduled Worklists	RONDS	
Delete Scheduled Worklists	RONDS	
Edit Scheduled Worklists	RONDS	
Reorder Scheduled Worklists	RONDS	
Remove Studies from Scheduled Worklists	RONDS	
View Scheduled Worklists	RONDS	A
Standard Worklists		
Create Worklists	L1	
Delete Worklists	L1	
Edit Worklists	L1	

Study-Based

Operation	License level	Clerical Print
Add/Remove Key Images	L2	
Dictate Studies as Radiologist	L1	
Dictate Studies as Resident	L1	
Edit Study Priority		
Export and Import Studies		
Export Studies to Local Media	L1	A
Export Studies to Remote Media	L1	A
Image Area Tools		
Collimate	L1	
Delete Image (Approved)	L1	
Delete Image (Dictated)	L1	
Delete Image (New)	L1	
Delete Image (Reported)	L1	
Edit All Markups (Approved)	L1	
Edit All Markups (Dictated)	L1	
Edit All Markups (New)	L1	
Edit All Markups (Reported)	L1	
Edit DICOM Elements	L1	
Edit Study Snapshots	L1	
Export Images	L1	A
Geometry	L1	
Import Images	L1	
Invert	L1	A
Magnification	L1	A
Markup	L1	
Publish SPS Objects	L1	
Rearrange Images	L1	
Save Geometry (Approved)	L1	
Save Geometry (Dictated)	L1	
Save Geometry (New)	L1	

Operation	License level	Clerical Print
Save Geometry (Reported)	L1	
Save Magnification/Pan (Approved)	L1	
Save Magnification/Pan (Dictated)	L1	
Save Magnification/Pan (New)	L1	
Save Magnification/Pan (Reported)	L1	
Save Markup (Approved)	L1	
Save Markup (Dictated)	L1	
Save Markup (New)	L1	
Save Markup (Reported)	L1	
Save Tab Stops	L1	
Save User Image Calibration	L1	
Save Window Level	L1	
User Image Calibration	L1	
Keywords		
Associate keywords with study	L1	
Print		
Print Composite Layouts	L1	A
Print Study	L1	A
Study Retrieval		
Retrieve Offline Studies	L1	A
Retrieve Studies from External PACS	L1	A
Retrieve Studies from HSM	L1	A
Retrieve Studies from Nearline	L1	A
Text Area		
Add study comments	L1	
Edit Patient Demographics	QC	
Edit Performing Physician	L1	
Edit Study Comments	L1	
Edit Study Status	L1	
Protect Studies	L1	
View Reports	L1	A
Transmit Studies	L1	A

Operation	License level	Clerical Print
View Study	L1	A

Clinician role: Default PACS Client operations

(Topic number: 54892)

Legend:

3D	3D visualization	Mod_CT	Display of CT modality type
A	Assigned functionality	Mod_DR	Display of DR modality type
CA	Client automation	Mod_MG	Display of MG modality type
CAD	Display of CAD markers	Mod_MR	Display of MR modality type
COMPREV	Mammography	Mod_NM	Display of NM modality type
CONFIG	Configuration area	Mod_US	Display of US modality type
CS	Context Server	Mod_XA	Display of XA modality type
HP	Hanging protocols	OT	Orthopaedic integration
I	Inherited functionality	QC	Quality
L1	Level 1 Basic Feature Set	RONDS	Scheduling and review of ronds
L2	Level 2 Basic Feature Set	TF	Teaching files
Mod_ALL	Display of all modality types	TS	TalkStation integration
Mod_CR	Display of CR modality type		

General

Operation	License level	Clinician					
		Top-level	Emergency Dept	ICU	Oncology	Paediatrics	
At-a-Glance							
Edit At-a-Glance Messages	L1						
Show At-a-Glance	L1	I	I	I	I	I	
Audible Notification	L1	I	I	I	I	I	
Change Password	CONFIG	I	I	I	I	I	
Configure Area							

Operation	License level	Clinician				
		Top-level	Emergency Dept	ICU	Oncology	Paediatrics
Individual Configuration	CONFIG					
Preferences	CONFIG					
Printers	CONFIG					
Service	CONFIG					
Stations	CONFIG					
Users and Roles	CONFIG					
Context Server Integrations						
Allow Single Sign-on	CS	I	I	I	I	I
Enable Context Server Integrations	CS	I	I	I	I	I
Cycle Studies	L1					
Delete Study						
Edit Columns	L1					
Edit Enumerated Values						
Edit Viewable Worklists						
Export and Import Studies						
Export Studies with Image Viewer	L1	A	I	I	I	I
Export Studies with Reports	L1					
Import Studies	L1					
History	L1					
Image Area	L1	I	I	I	I	I
Image Area Tools						
3D	3D				A	
Active Target	L1	I	I	I	I	I
Apply Hanging Protocols	HP					
Apply System Layout Protocols	L1	I	I	I	I	I
Auto Window Level	L1	I	I	I	I	I

Operation	License level	Top-level	Emergency Dept	Clinician		
				ICU	Oncology	Paediatrics
Break Out Gated Series	L1					
Cine Viewer	L1	I	I	I	I	I
Comparative Review	COMPREV					
Compare	L1	I	I	I	I	I
Create Combined Series	L1					
Create Summary Study	L2	A	I	I	I	I
Customize	L1					
Demographics Toggle	L1	I	I	I	I	I
Display Markup Toggle	L1	I	I	I	I	I
Display Scout	L1	I	I	I	I	I
Edit New Series Descriptions	L1				A	
Extended Monitor Display	L1	I	I	I	I	I
Histogram Equalization	L1	A	A	A	I	I
Image Enhancement	L2	A	I	I	I	I
Image Information Window	L1	I	I	I	I	I
Image Pasting	L1					
Image Selection	L1	I	I	I	I	I
Linking	L1	I	I	I	I	I
Mammography CAD SR Toggle	CAD				A	
MPR	L2					
Nonlinear Window Level	L1	I	I	I	I	I
Nuclear Medicine Palette	L1	A	A	A	I	I

Operation	License level	Clinician				
		Top-level	Emergency Dept	ICU	Oncology	Paediatrics
Paired Zoom and Pan	L1					
Pin Study	L1	I	I	I	I	I
Pixel Value Toggle	L1					
Presentation State Selection	L1	I	I	I	I	I
Projection	L1	I	I	I	I	I
Rearrange Series	L1	I	I	I	I	I
Screen Layout	L1	I	I	I	I	I
Service Window	L1					
Sort Images	L1	I	I	I	I	I
Split Multi-Phasic Series	L1					
Tab Stops	L1					
True Size	L1	I	I	I	I	I
Undo/Redo/Reset	L1					
View Original Images	L1					
Window Level	L1	I	I	I	I	I
Window Level Preset	L1	I	I	I	I	I
Image Area Wizards						
Create or Import Wizards	CA	I	I	I	I	I
Delete Wizards	CA					
Edit Wizards	CA					
Run Wizards	CA	I	I	I	I	I
Job Manager						
Delete Jobs	L1					
Enable Job Manager	L1					
Modify Any Job	L1					
Modify Job Priority	L1					
Key Images Edit Favorite Titles	L1					

Operation	License level	Top-level	Clinician			
			Emergency Dept	ICU	Oncology	Paediatrics
Keywords						
Edit Personal Keywords	L1	I	I	I	I	I
Edit System Keywords	L1					
Link Patients	L1	I	I	I	I	I
Messaging Service						
Instant Messaging	L1					
Receive Study Messages	L1					
Modality						
View All	MOD_ALL	I	I	I	I	I
View CR	MOD_CR					
View CT	MOD_CT					
View DR	MOD_DR					
View MG	MOD_MG					
View MR	MOD_MR					
View NM	MOD_NM					
View US	MOD_US					
View XA	MOD_XA					
Orthopaedic Application	OT					
Override permissions on a folder	TF					
Print						
Edit Composite Layouts	L2					
Print to Paper	L1	I	I	I	I	I
Quality Control						
Acknowledge Conflict	QC					
Fixup, Segment, and Split Studies	QC					
Quick Fix Up	QC					

Operation	License level	Top-level	Clinician			
			Emergency Dept	ICU	Oncology	Paediatrics
Remember User Settings	L1	I	I	I	I	I
Scripting						
Configure Scripts	L1					
Run Scripts	L1					
Search for Open Studies	L1					
Searching for studies						
Add Search Criteria	L1					
Advanced Search	L1					
Configure Simple Search Criteria	L1					
Simple Search	L1	I	I	I	I	I
Use Relevant Prior Rules	L1	I	I	I	I	I
Set Default Image Type	L1					
TalkStation Integration	TS					
Teaching Files	TF					
Add Teaching File Folders	TF	A	I	I	I	I
Delete Teaching File Folders	TF	A	I	I	I	I
Modify Teaching File Folders	TF	A	I	I	I	I
Update Teaching File Folders	TF	A	I	I	I	I
View Teaching File Folders	TF	A	I	I	I	I
Text Area						
Configure SmartSeek Tabs	L1					
Edit Favorite Study Comments	L1		A		A	
Enable Enterprise Study List	L1					
Enable Text Area	L1	I	I	I	I	I

Operation	License level	Top-level	Clinician			
			Emergency Dept	ICU	Oncology	Paediatrics
Private Study Comments	L1	I	I	I	I	I
Update Study	L1					
Worklists						
Configure Global Priority Groups	L1					
Edit Viewable Worklists	L1					
Personal Worklists	L1					
Scheduled Worklists						
Add Studies to Scheduled Worklists	RONDS					
Create Scheduled Worklists	RONDS	A	I	I	I	I
Delete Scheduled Worklists	RONDS	A	I	I	I	I
Edit Scheduled Worklists	RONDS	A	I	I	I	I
Reorder Scheduled Worklists	RONDS					
Remove Studies from Scheduled Worklists	RONDS					
View Scheduled Worklists	RONDS					
Standard Worklists						
Create Worklists	L1					
Delete Worklists	L1					
Edit Worklists	L1					

Study-Based

Operation	License level	Top-level	Clinician			
			Emergency Dept.	ICU	Oncology	Paediatrics
Add/Remove Key Images	L2	A	I	I	I	I

Operation	License level	Top-level	Emergency Dept.	Clinician		
				ICU	Oncology	Paediatrics
Dictate Studies as Radiologist	L1					
Dictate Studies as Resident	L1					
Edit Study Priority						
Export and Import Studies						
Export Studies to Local Media	L1	A	I	I	I	I
Export Studies to Remote Media	L1					
Image Area Tools						
Collimate	L1				A	
Delete Image (Approved)	L1					
Delete Image (Dictated)	L1					
Delete Image (New)	L1					
Delete Image (Reported)	L1					
Edit All Markups (Approved)	L1					
Edit All Markups (Dictated)	L1					
Edit All Markups (New)	L1					
Edit All Markups (Reported)	L1					
Edit DICOM Elements	L1					
Edit Study Snapshots	L1					
Export Images	L1	I	I	I	I	I
Geometry	L1	I	I	I	I	I
Import Images	L1	A	A	A	I	I
Invert	L1	I	I	I	I	I
Magnification	L1	I	I	I	I	I
Markup	L1	I	I	I	I	I
Publish SPS Objects	L1	A	A	A	I	I
Rearrange Images	L1	I	I	I	I	I
Save Geometry (Approved)	L1					

Operation	License level	Top-level	Clinician			
			Emergency Dept.	ICU	Oncology	Paediatrics
Save Geometry (Dictated)	L1	A	A	A	I	I
Save Geometry (New)	L1	A	A	A	I	I
Save Geometry (Reported)	L1					
Save Magnification/Pan (Approved)	L1					
Save Magnification/Pan (Dictated)	L1					
Save Magnification/Pan (New)	L1					
Save Magnification/Pan (Reported)	L1					
Save Markup (Approved)	L1					
Save Markup (Dictated)	L1	A	A	A	I	I
Save Markup (New)	L1	A	A	A	I	I
Save Markup (Reported)	L1					
Save Tab Stops	L1	A	A	A	I	I
Save User Image Calibration	L1	A	A	A	I	I
Save Window Level	L1					
User Image Calibration	L1					
Keywords						
Associate keywords with study	L1	I	I	I	I	I
Print						
Print Composite Layouts	L1	A	I	I	I	I
Print Study	L1					
Study Retrieval						
Retrieve Offline Studies	L1	A	I	I	I	I
Retrieve Studies from External PACS	L1	A	I	I	I	I
Retrieve Studies from HSM	L1	A	I	I	I	I

Operation	Clinician					
	License level	Top-level	Emergency Dept.	ICU	Oncology	Paediatrics
Retrieve Studies from Nearline	L1	A	I	I	I	I
Text Area						
Add study comments	L1	I	I	I	I	I
Edit Patient Demographics	QC					
Edit Performing Physician	L1					
Edit Study Comments	L1					
Edit Study Status	L1					
Protect Studies	L1					
View Reports	L1	I	I	I	I	I
Transmit Studies	L1	A	A	A	I	I
View Study	L1	I	I	I	I	I

My Site role: Default PACS Client operations

(Topic number: 54880)

Legend:

3D	3D visualization	Mod_CT	Display of CT modality type
A	Assigned functionality	Mod_DR	Display of DR modality type
CA	Client automation	Mod_MG	Display of MG modality type
CAD	Display of CAD markers	Mod_MR	Display of MR modality type
COMPREV	Mammography	Mod_NM	Display of NM modality type
CONFIG	Configuration area	Mod_US	Display of US modality type
CS	Context Server	Mod_XA	Display of XA modality type
HP	Hanging protocols	OT	Orthopaedic integration
I	Inherited functionality	QC	Quality
L1	Level 1 Basic Feature Set	RONDS	Scheduling and review of ronds
L2	Level 2 Basic Feature Set	TF	Teaching files

Mod_ALL	Display of all modality types	TS	TalkStation integration
Mod_CR	Display of CR modality type		

General

Operation	License level	My Site
At-a-Glance		
Edit At-a-Glance Messages	L1	
Show At-a-Glance	L1	A
Audible Notification		
	L1	A
Change Password		
	CONFIG	A
Configure Area		
Individual Configuration	CONFIG	
Preferences	CONFIG	
Printers	CONFIG	
Service	CONFIG	
Stations	CONFIG	
Users and Roles	CONFIG	
Context Server Integrations		
Allow Single Sign-on	CS	A
Enable Context Server Integrations	CS	A
Cycle Studies		
	L1	
Delete Study		
Edit Columns		
	L1	
Edit Enumerated Values		
Edit Viewable Worklists		
Export and Import Studies		
Export Studies with Image Viewer	L1	
Export Studies with Reports	L1	
Import Studies	L1	
History		
	L1	
Image Area		
	L1	A
Image Area Tools		
3D	3D	

Operation	License level	My Site
Active Target	L1	A
Apply Hanging Protocols	HP	
Apply System Layout Protocols	L1	
Auto Window Level	L1	A
Break Out Gated Series	L1	
Cine Viewer	L1	A
Comparative Review	COMPREV	
Compare	L1	A
Create Combined Series	L1	
Create Summary Study	L2	A
Customize	L1	
Demographics Toggle	L1	A
Display Markup Toggle	L1	A
Display Scout	L1	A
Edit New Series Descriptions	L1	
Extended Monitor Display	L1	A
Histogram Equalization	L1	
Image Enhancement	L2	
Image Information Window	L1	A
Image Pasting	L1	
Image Selection	L1	A
Linking	L1	A
Mammography CAD SR Toggle	CAD	
MPR	L2	
Nonlinear Window Level	L1	A
Nuclear Medicine Palette	L1	
Paired Zoom and Pan	L1	
Pin Study	L1	A
Pixel Value Toggle	L1	
Presentation State Selection	L1	A
Projection	L1	A
Rearrange Series	L1	A

Operation	License level	My Site
Screen Layout	L1	A
Service Window	L1	
Sort Images	L1	A
Split Multi-Phasic Series	L1	
Tab Stops	L1	
True Size	L1	
Undo/Redo/Reset	L1	A
View Original Images	L1	
Window Level	L1	A
Window Level Preset	L1	A
Image Area Wizards		
Create or Import Wizards	CA	A
Delete Wizards	CA	
Edit Wizards	CA	
Run Wizards	CA	A
Job Manager		
Delete Jobs	L1	
Enable Job Manager	L1	
Modify Any Job	L1	
Modify Job Priority	L1	
Key Images Edit Favorite Titles	L1	
Keywords		
Edit Personal Keywords	L1	A
Edit System Keywords	L1	
Link Patients	L1	A
Messaging Service		
Instant Messaging	L1	
Receive Study Messages	L1	
Modality		
View All	MOD_ALL	A
View CR	MOD_CR	
View CT	MOD_CT	

Operation	License level	My Site
View DR	MOD_DR	
View MG	MOD_MG	
View MR	MOD_MR	
View NM	MOD_NM	
View US	MOD_US	
View XA	MOD_XA	
Orthopaedic Application	OT	
Override permissions on a folder	TF	
Print		
Edit Composite Layouts	L2	
Print to Paper	L1	A
Quality Control		
Acknowledge Conflicts	QC	
Fixup, Segment, and Split Studies	QC	
Quick Fix Up	QC	
Remember User Settings	L1	A
Scripting		
Configure Scripts	L1	
Run Scripts	L1	
Search for Open Studies	L1	
Searching for studies		
Add Search Criteria	L1	
Advanced Search	L1	
Configure Simple Search Criteria	L1	
Simple Search	L1	A
Use Relevant Prior Rules	L1	A
Set Default Image Type	L1	
TalkStation Integration	TS	
Teaching Files	TF	
Add Teaching File Folders	TF	
Delete Teaching File Folders	TF	
Modify Teaching File Folders	TF	

Operation	License level	My Site
Update Teaching File Folders	TF	
View Teaching File Folders	TF	
Text Area		
Configure SmartSeek Tabs	L1	
Edit Favorite Study Comments	L1	
Enable Enterprise Study List	L1	
Enable Text Area	L1	A
Private Study Comments	L1	
Update Study	L1	
Worklists		
Configure Global Priority Groups	L1	
Edit Viewable Worklists	L1	
Personal Worklists	L1	
Scheduled Worklists		
Add Studies to Scheduled Worklists	RONDS	
Create Scheduled Worklists	RONDS	
Delete Scheduled Worklists	RONDS	
Edit Scheduled Worklists	RONDS	
Remove Studies from Scheduled Worklists	RONDS	
Reorder Scheduled Worklists	RONDS	
View Scheduled Worklists	RONDS	
Standard Worklists		
Create Worklists	L1	
Delete Worklists	L1	
Edit Worklists	L1	

Study-Based

Operation	License level	My Site
Add/Remove Key Images	L2	
Dictate Studies as Radiologist	L1	
Dictate Studies as Resident	L1	

Operation	License level	My Site
Edit Study Priority		
Export and Import Studies		
Export Studies to Local Media	L1	
Export Studies to Remote Media	L1	
Image Area Tools		
Collimate	L1	
Delete Image (Approved)	L1	
Delete Image (Dictated)	L1	
Delete Image (New)	L1	
Delete Image (Reported)	L1	
Edit All Markups (Approved)	L1	
Edit All Markups (Dictated)	L1	
Edit All Markups (New)	L1	
Edit All Markups (Reported)	L1	
Edit DICOM Elements	L1	
Edit Study Snapshots	L1	
Export Images	L1	A
Geometry	L1	A
Import Images	L1	
Invert	L1	A
Magnification	L1	A
Markup	L1	A
Publish SPS Objects	L1	
Rearrange Images	L1	A
Save Geometry (Approved)	L1	
Save Geometry (Dictated)	L1	
Save Geometry (New)	L1	
Save Geometry (Reported)	L1	
Save Magnification/Pan (Approved)	L1	
Save Magnification/Pan (Dictated)	L1	
Save Magnification/Pan (New)	L1	
Save Magnification/Pan (Reported)	L1	

Operation	License level	My Site
Save Markup (Approved)	L1	
Save Markup (Dictated)	L1	
Save Markup (New)	L1	
Save Markup (Reported)	L1	
Save Tab Stops	L1	
Save User Image Calibration	L1	
Save Window Level	L1	
User Image Calibration	L1	
Keywords		
Associate keywords with study	L1	A
Print		
Print Composite Layouts	L1	
Print Study	L1	
Study Retrieval		
Retrieve Offline Studies	L1	
Retrieve Studies from External PACS	L1	
Retrieve Studies from HSM	L1	
Retrieve Studies from Nearline	L1	A
Text Area		
Add study comments	L1	A
Edit Patient Demographics	QC	
Edit Performing Physician	L1	
Edit Study Comments	L1	
Edit Study Status	L1	
Protect Studies	L1	
View Reports	L1	A
Transmit Studies	L1	
View Study	L1	A

Nursing role: Default PACS Client operations

(Topic number: 54886)

Legend:

3D	3D visualization	Mod_CT	Display of CT modality type
A	Assigned functionality	Mod_DR	Display of DR modality type
CA	Client automation	Mod_MG	Display of MG modality type
CAD	Display of CAD markers	Mod_MR	Display of MR modality type
COMPREV	Mammography	Mod_NM	Display of NM modality type
CONFIG	Configuration area	Mod_US	Display of US modality type
CS	Context Server	Mod_XA	Display of XA modality type
HP	Hanging protocols	OT	Orthopaedic integration
I	Inherited functionality	QC	Quality
L1	Level 1 Basic Feature Set	RONDS	Scheduling and review of ronds
L2	Level 2 Basic Feature Set	TF	Teaching files
Mod_ALL	Display of all modality types	TS	TalkStation integration
Mod_CR	Display of CR modality type		

General

Operation	License level	Nursing
At-a-Glance		
Edit At-a-Glance Messages	L1	
Show At-a-Glance	L1	I
Audible Notification	L1	I
Change Password	CONFIG	I
Configure Area		
Individual Configuration	CONFIG	
Preferences	CONFIG	
Printers	CONFIG	
Service	CONFIG	
Stations	CONFIG	

Operation	License level	Nursing
Users and Roles	CONFIG	
Context Server Integrations		
Allow Single Sign-on	CS	I
Enable Context Server Integrations	CS	I
Cycle Studies	L1	
Delete Study		
Edit Columns	L1	
Edit Enumerated Values		
Edit Viewable Worklists		
Export and Import Studies		
Export Studies with Image Viewer	L1	I
Export Studies with Reports	L1	
Import Studies	L1	
History		
Image Area	L1	I
Image Area Tools		
3D	3D	
Active Target	L1	I
Apply Hanging Protocols	HP	
Apply System Layout Protocols	L1	
Auto Window Level	L1	I
Break Out Gated Series	L1	
Cine Viewer	L1	I
Comparative Review	COMPREV	
Compare	L1	I
Create Combined Series	L1	
Create Summary Study	L2	I
Customize	L1	
Demographics Toggle	L1	I
Display Markup Toggle	L1	I
Display Scout	L1	I
Edit New Series Descriptions	L1	

Operation	License level	Nursing
Extended Monitor Display	L1	I
Histogram Equalization	L1	I
Image Enhancement	L2	I
Image Information Window	L1	I
Image Pasting	L1	
Image Selection	L1	I
Linking	L1	I
Mammography CAD SR Toggle	CAD	
MPR	L2	
Nonlinear Window Level	L1	I
Nuclear Medicine Palette	L1	I
Paired Zoom and Pan	L1	I
Pin Study	L1	I
Pixel Value Toggle	L1	
Presentation State Selection	L1	I
Projection	L1	I
Rearrange Series	L1	I
Screen Layout	L1	I
Service Window	L1	
Sort Images	L1	I
Split Multi-Phasic Series	L1	
Tab Stops	L1	
True Size	L1	I
Undo/Redo/Reset	L1	I
View Original Images	L1	
Window Level	L1	I
Window Level Preset	L1	I
Image Area Wizards		
Create or Import Wizards	CA	I
Delete Wizards	CA	
Edit Wizards	CA	
Run Wizards	CA	I

Operation	License level	Nursing
Job Manager		
Delete Jobs	L1	
Enable Job Manager	L1	
Modify Any Job	L1	
Modify Job Priority	L1	
Key Images Edit Favorite Titles	L1	
Keywords		
Edit Personal Keywords	L1	I
Edit System Keywords	L1	
Link Patients	L1	I
Messaging Service		
Instant Messaging	L1	
Receive Study Messages	L1	
Modality		
View All	MOD_ALL	I
View CR	MOD_CR	
View CT	MOD_CT	
View DR	MOD_DR	
View MG	MOD_MG	
View MR	MOD_MR	
View NM	MOD_NM	
View US	MOD_US	
View XA	MOD_XA	
Orthopaedic Application	OT	
Override permissions on a folder	TF	
Print		
Edit Composite Layouts	L2	
Print to Paper	L1	I
Quality Control		
Acknowledge Conflict	QC	
Fixup, Segment, and Split Studies	QC	
Quick Fix Up	QC	

Operation	License level	Nursing
Remember User Settings	L1	I
Scripting		
Configure Scripts	L1	
Run Scripts	L1	
Search for Open Studies	L1	
Searching for studies		
Add Search Criteria	L1	
Advanced Search	L1	
Configure Simple Search Criteria	L1	
Simple Search	L1	I
Use Relevant Prior Rules	L1	I
Set Default Image Type	L1	
TalkStation Integration	TS	
Teaching Files	TF	
Add Teaching File Folders	TF	I
Delete Teaching File Folders	TF	I
Modify Teaching File Folders	TF	I
Update Teaching File Folders	TF	I
View Teaching File Folders	TF	I
Text Area		
Configure SmartSeek Tabs	L1	
Edit Favorite Study Comments	L1	
Enable Enterprise Study List	L1	
Enable Text Area	L1	I
Private Study Comments	L1	
Update Study	L1	
Worklists		
Configure Global Priority Groups	L1	
Edit Viewable Worklists	L1	
Personal Worklists	L1	
Scheduled Worklists		
Add Studies to Scheduled Worklists	RONDS	

Operation	License level	Nursing
Create Scheduled Worklists	RONDS	I
Delete Scheduled Worklists	RONDS	I
Edit Scheduled Worklists	RONDS	I
Remove Studies from Scheduled Worklists	RONDS	
Reorder Scheduled Worklists	RONDS	
View Scheduled Worklists	RONDS	
Standard Worklists		
Create Worklists	L1	
Delete Worklists	L1	
Edit Worklists	L1	

Study-Based

Operation	License level	Nursing
Add/Remove Key Images	L2	I
Dictate Studies as Radiologist	L1	
Dictate Studies as Resident	L1	
Edit Study Priority		
Export and Import Studies		
Export Studies to Local Media	L1	
Export Studies to Remote Media	L1	
Image Area Tools		
Collimate	L1	
Delete Image (Approved)	L1	
Delete Image (Dictated)	L1	
Delete Image (New)	L1	
Delete Image (Reported)	L1	
Edit All Markups (Approved)	L1	
Edit All Markups (Dictated)	L1	
Edit All Markups (New)	L1	
Edit All Markups (Reported)	L1	
Edit DICOM Elements	L1	
Edit Study Snapshots	L1	

Operation	License level	Nursing
Export Images	L1	I
Geometry	L1	I
Import Images	L1	I
Invert	L1	I
Magnification	L1	I
Markup	L1	I
Publish SPS Objects	L1	I
Rearrange Images	L1	I
Save Geometry (Approved)	L1	
Save Geometry (Dictated)	L1	I
Save Geometry (New)	L1	I
Save Geometry (Reported)	L1	
Save Magnification/Pan (Approved)	L1	
Save Magnification/Pan (Dictated)	L1	
Save Magnification/Pan (New)	L1	
Save Magnification/Pan (Reported)	L1	
Save Markup (Approved)	L1	
Save Markup (Dictated)	L1	I
Save Markup (New)	L1	I
Save Markup (Reported)	L1	
Save Tab Stops	L1	I
Save User Image Calibration	L1	I
Save Window Level	L1	
User Image Calibration	L1	
Keywords		
Associate keywords with study	L1	I
Print		
Print Composite Layouts	L1	I
Print Study	L1	
Study Retrieval		
Retrieve Offline Studies	L1	I
Retrieve Studies from External PACS	L1	I

Operation	License level	Nursing
Retrieve Studies from HSM	L1	I
Retrieve Studies from Nearline	L1	I
Text Area		
Add study comments	L1	I
Edit Patient Demographics	QC	
Edit Performing Physician	L1	
Edit Study Comments	L1	
Edit Study Status	L1	
Protect Studies	L1	
View Reports	L1	I
Transmit Studies	L1	I
View Study	L1	I

Radiology role: Default PACS Client operations

(Topic number: 54895)

Legend:

3D	3D visualization	Mod_CT	Display of CT modality type
A	Assigned functionality	Mod_DR	Display of DR modality type
CA	Client automation	Mod_MG	Display of MG modality type
CAD	Display of CAD markers	Mod_MR	Display of MR modality type
COMPREV	Mammography	Mod_NM	Display of NM modality type
CONFIG	Configuration area	Mod_US	Display of US modality type
CS	Context Server	Mod_XA	Display of XA modality type
HP	Hanging protocols	OT	Orthopaedic integration
I	Inherited functionality	QC	Quality
L1	Level 1 Basic Feature Set	RONDS	Scheduling and review of ronds
L2	Level 2 Basic Feature Set	TF	Teaching files
Mod_ALL	Display of all modality types	TS	TalkStation integration
Mod_CR	Display of CR modality type		

General

Operation	License level	Top-level	Breast Imaging Rad	NM Physician	Radiology			
					Power Rad	Rad	Resident	Tech
At-a-Glance								
Edit At-a-Glance Messages	L1		A	A	A	A		
Show At-a-Glance	L1	I	I	I	I	I	I	I
Audible Notification	L1	I	I	I	I	I	I	I
Change Password	CONFIG	I	I	I	I	I	I	I
Configure Area								
Individual Configuration	CONFIG							
Preferences	CONFIG							
Printers	CONFIG							
Service	CONFIG							
Stations	CONFIG							
Users and Roles	CONFIG							
Context Server Integrations								
Allow Single Sign-on	CS	I	I	I	I	I	I	I
Enable Context Server Integrations	CS	I	I	I	I	I	I	I
Cycle Studies	L1							
Delete Study								
Edit Columns	L1		A					
Edit Enumerated Values								
Edit Viewable Worklists								
Export and Import Studies								
Export Studies with Image Viewer	L1		A	A	A	A	A	

Operation	License level	Top-level	Radiology					
			Breast Imaging Rad	NM Physician	Power Rad	Rad	Resident	Tech
Export Studies with Reports	L1		A	A	A	A	A	
Import Studies	L1		A	A	A	A		
History	L1							
Image Area	L1	I	I	I	I	I	I	I
Image Area Tools								
3D	3D		A	A	A	A	A	
Active Target	L1	I	I	I	I	I	I	I
Apply Hanging Protocols	HP		A	A	A	A	A	
Apply System Layout Protocols	L1							
Auto Window Level	L1	I	I	I	I	I	I	I
Break Out Gated Series	L1		A	A	A	A	A	
Cine Viewer	L1	I	I	I	I	I	I	I
Comparative Review	COMPREV		A					
Compare	L1	I	I	I	I	I	I	I
Create Combined Series	L1							
Create Summary Study	L2	I	I	I	A	I	A	I
Customize	L1		A	A	A	A		
Demographics Toggle	L1	I	I	I	I	I	I	I
Display Markup Toggle	L1	I	I	I	I	I	I	I
Display Scout	L1	I	I	I	I	I	I	I
Edit New Series Descriptions	L1							
Extended Monitor Display	L1	I	I	I	I	I	I	I

Operation	License level	Top-level	Radiology					
			Breast Imaging Rad	NM Physician	Power Rad	Rad	Resident	Tech
Histogram Equalization	L1							
Image Enhancement	L2		A	A	A	A	A	
Image Information Window	L1	I	I	I	I	I	I	I
Image Pasting	L1		A	A	A	A	A	
Image Selection	L1	I	I	I	I	I	I	I
Linking	L1	I	I	I	I	I	I	I
Mammography CAD SR Toggle	CAD		A		A		A	
MPR	L2	I	I	I	I	I	I	I
Nonlinear Window Level	L1	I	I	I	I	I	I	I
Nuclear Medicine Palette	L1	A	I	A	A	I	I	A
Paired Zoom and Pan	L1							
Pin Study	L1	I	I	I	I	I	I	I
Pixel Value Toggle	L1							
Presentation State Selection	L1	I	I	I	I	I	I	I
Projection	L1	I	I	I	I	I	I	I
Rearrange Series	L1	I	I	I	I	I	I	I
Screen Layout	L1	I	I	I	I	I	I	I
Service Window	L1				A			
Sort Images	L1	I	I	I	I	I	I	I
Split Multi-Phasic Series	L1							
Tab Stops	L1				A		A	
True Size	L1	A	I	I	I	I	I	A
Undo/Redo/Reset	L1	I	I	I	I	I	I	I

Operation	License level	Radiology						
		Top-level	Breast Imaging Rad	NM Physician	Power Rad	Rad	Resident	Tech
View Original Images	L1							
Window Level	L1	I	I	I	I	I	I	I
Window Level Preset	L1	I	I	I	I	I	I	I
Image Area Wizards								
Create or Import Wizards	CA	I	I	I	A	I	I	I
Delete Wizards	CA		A	A	A	A	A	
Edit Wizards	CA		A	A	A	A	A	
Run Wizards	CA	I	I	I	I	I	I	I
Job Manager								
Delete Jobs	L1				A			A
Enable Job Manager	L1				A			A
Modify Any Job	L1				A			A
Modify Job Priority	L1				A			A
Key Images Edit Favorite Titles	L1							
Keywords								
Edit Personal Keywords	L1	I	I	I	I	I	I	I
Edit System Keywords	L1							
Link Patients	L1	I	I	I	I	I	I	I
Messaging Service								
Instant Messaging	L1	A	I	I	I	I	I	I
Receive Study Messages	L1		A					
Modality								
View All	MOD_ALL	I	I	I	I	I	I	I
View CR	MOD_CR							

Operation	License level	Top-level	Breast Imaging Rad	NM Physician	Radiology			
					Power Rad	Rad	Resident	Tech
View CT	MOD_CT							
View DR	MOD_DR							
View MG	MOD_MG							
View MR	MOD_MR							
View NM	MOD_NM							
View US	MOD_US							
View XA	MOD_XA							
Orthopaedic Application	OT							
Override permissions on a folder	TF							
Print								
Edit Composite Layouts	L2					A		
Print to Paper	L1	I	I	I	I	I	I	I
Quality Control								
Acknowledge Conflicts	QC							A
Fixup, Segment, and Split Studies	QC							A
Quick Fix Up	QC							A
Remember User Settings	L1	I	I	I	I	I	I	I
Scripting								
Configure Scripts	L1					A		
Run Scripts	L1					A		
Search for Open Studies	L1					A		
Searching for studies								
Add Search Criteria	L1		A	A	A	A	A	
Advanced Search	L1	A	I	I	I	I	I	I
Configure Simple Search Criteria	L1							
Simple Search	L1	I	I	I	I	I	I	I

Operation	License level	Top-level	Breast Imaging Rad	NM Physician	Radiology			
					Power Rad	Rad	Resident	Tech
Use Relevant Prior Rules	L1	I	I	I	I	I	I	I
Set Default Image Type	L1							
TalkStation Integration	TS		A	A	A	A	A	
Teaching Files	TF				A			
Add Teaching File Folders	TF		A	A	A	A	A	A
Delete Teaching File Folders	TF		A	A	A	A	A	A
Modify Teaching File Folders	TF		A	A	A	A	A	
Update Teaching File Folders	TF		A	A	A	A	A	A
View Teaching File Folders	TF		A	A	A	A	A	A
Text Area								
Configure SmartSeek Tabs	L1							
Edit Favorite Study Comments	L1		A	A	A	A	A	
Enable Enterprise Study List	L1							
Enable Text Area	L1	I	I	I	A	I	I	I
Private Study Comments	L1							
Update Study	L1							
Worklists								
Configure Global Priority Groups	L1		A	A	A	A	A	
Edit Viewable Worklists	L1		A	A	A	A	A	
Personal Worklists	L1		A	A	A	A	A	
Scheduled Worklists								

Operation	License level	Top-level	Radiology				
			Breast Imaging Rad	NM Physician	Power Rad	Rad	Resident
Add Studies to Scheduled Worklists	RONDS		A	A	A	A	A
Create Scheduled Worklists	RONDS		A	A	A	A	A
Delete Scheduled Worklists	RONDS		A	A	A	A	A
Edit Scheduled Worklists	RONDS		A	A	A	A	A
Remove Studies from Scheduled Worklists	RONDS		A	A	A	A	A
Reorder Scheduled Worklists	RONDS		A	A	A	A	A
View Scheduled Worklists	RONDS		A	A	A	A	A
Standard Worklists							
Create Worklists	L1		A	A	A	A	A
Delete Worklists	L1		A	A	A	A	A
Edit Worklists	L1		A	A	A	A	A

Study-Based

Operation	License level	Top-level	Radiology				
			Breast Imaging Rad	NM Physician	Power Rad	Rad	Resident
Add/Remove Key Images	L2		A	A	A	A	
Dictate Studies as Radiologist	L1		A	A	A	A	
Dictate Studies as Resident	L1						A
Edit Study Priority							
Export and Import Studies							

Operation	License level	Top-level	Breast Imaging Rad	NM Physician	Radiology			
					Power Rad	Rad	Resident	Tech
Export Studies to Local Media	L1		A	A	A	A	A	
Export Studies to Remote Media	L1		A	A	A	A	A	
Image Area Tools								
Collimate	L1		A	A	A	A	A	
Delete Image (Approved)	L1							
Delete Image (Dictated)	L1							
Delete Image (New)	L1							
Delete Image (Reported)	L1							
Edit All Markups (Approved)	L1							
Edit All Markups (Dictated)	L1		A	A	A	A	A	
Edit All Markups (New)	L1		A	A	A	A	A	
Edit All Markups (Reported)	L1							
Edit DICOM Elements	L1							
Edit Study Snapshots	L1							
Export Images	L1	I	I	I	I	I	I	I
Geometry	L1	I	I	I	I	I	I	I
Import Images	L1		A	A	A	A	A	
Invert	L1	I	I	I	I	I	I	I
Magnification	L1	I	I	I	I	I	I	I
Markup	L1	I	I	I	I	I	I	I
Publish SPS Objects	L1		A	A	A	A	A	
Rearrange Images	L1	I	I	I	I	I	I	I

Operation	License level	Top-level	Radiology					
			Breast Imaging Rad	NM Physician	Power Rad	Rad	Resident	Tech
Save Geometry (Approved)	L1							
Save Geometry (Dictated)	L1		A	A	A	A	A	
Save Geometry (New)	L1		A	A	A	A	A	
Save Geometry (Reported)	L1							
Save Magnification/Pan (Approved)	L1							
Save Magnification/Pan (Dictated)	L1		A	A	A	A	A	
Save Magnification/Pan (New)	L1		A	A	A	A	A	
Save Magnification/Pan (Reported)	L1							
Save Markup (Approved)	L1							
Save Markup (Dictated)	L1		A	A	A	A	A	
Save Markup (New)	L1		A	A	A	A	A	
Save Markup (Reported)	L1							
Save Tab Stops	L1		A	A	A	A	A	
Save User Image Calibration	L1		A	A	A	A	A	
Save Window Level	L1					A	A	
User Image Calibration	L1		A	A	A	A		
Keywords								
Associate keywords with study	L1	I	I	I	I	I	I	I

Operation	License level	Top-level	Breast Imaging Rad	NM Physician	Radiology			
					Power Rad	Rad	Resident	Tech
Print								
Print Composite Layouts	L1				A	A	A	
Print Study	L1					A		
Study Retrieval								
Retrieve Offline Studies	L1	A	I	I	I	I	I	I
Retrieve Studies from External PACS	L1	A	I	I	I	I	I	I
Retrieve Studies from HSM	L1	A	I	I	I	I	I	I
Retrieve Studies from Nearline	L1	A	I	I	I	I	I	I
Text Area								
Add study comments	L1	I	I	I	I	I	I	I
Edit Patient Demographics	QC							
Edit Performing Physician	L1							
Edit Study Comments	L1				A			
Edit Study Status	L1		A		A	A		
Protect Studies	L1							
View Reports	L1	I	I	I	I	I	I	I
Transmit Studies	L1		A	A	A	A	A	
View Study	L1	I	I	I	I	I	I	I

Referring Physician role: Default PACS Client operations

(Topic number: 54898)

Legend:

3D	3D visualization	Mod_CT	Display of CT modality type
A	Assigned functionality	Mod_DR	Display of DR modality type
CA	Client automation	Mod_MG	Display of MG modality type
CAD	Display of CAD markers	Mod_MR	Display of MR modality type
COMPREV	Mammography	Mod_NM	Display of NM modality type
CONFIG	Configuration area	Mod_US	Display of US modality type
CS	Context Server	Mod_XA	Display of XA modality type
HP	Hanging protocols	OT	Orthopaedic integration
I	Inherited functionality	QC	Quality
L1	Level 1 Basic Feature Set	RONDS	Scheduling and review of ronds
L2	Level 2 Basic Feature Set	TF	Teaching files
Mod_ALL	Display of all modality types	TS	TalkStation integration
Mod_CR	Display of CR modality type		

General

Operation	License level	Referring Physician
At-a-Glance		
Edit At-a-Glance Messages	L1	
Show At-a-Glance	L1	I
Audible Notification	L1	I
Change Password	CONFIG	I
Configure Area		
Individual Configuration	CONFIG	
Preferences	CONFIG	
Printers	CONFIG	

Operation	License level	Referring Physician
Service	CONFIG	
Stations	CONFIG	
Users and Roles	CONFIG	
Context Server Integrations		
Allow Single Sign-on	CS	I
Enable Context Server Integrations	CS	I
Cycle Studies	L1	
Delete Study		
Edit Columns	L1	
Edit Enumerated Values		
Edit Viewable Worklists		
Export and Import Studies		
Export Studies with Image Viewer	L1	
Export Studies with Reports	L1	
Import Studies	L1	
History	L1	
Image Area	L1	I
Image Area Tools		
3D	3D	
Active Target	L1	A
Apply Hanging Protocols	HP	
Apply System Layout Protocols	L1	
Auto Window Level	L1	A
Break Out Gated Series	L1	
Cine Viewer	L1	A
Comparative Review	COMPREV	
Compare	L1	A
Create Combined Series	L1	
Create Summary Study	L2	I
Customize	L1	
Demographics Toggle	L1	I
Display Markup Toggle	L1	I

Operation	License level	Referring Physician
Display Scout	L1	A
Edit New Series Descriptions	L1	
Extended Monitor Display	L1	I
Histogram Equalization	L1	
Image Enhancement	L2	
Image Information Window	L1	I
Image Pasting	L1	
Image Selection	L1	I
Linking	L1	I
Mammography CAD SR Toggle	CAD	
MPR	L2	
Nonlinear Window Level	L1	A
Nuclear Medicine Palette	L1	
Paired Zoom and Pan	L1	
Pin Study	L1	A
Pixel Value Toggle	L1	
Presentation State Selection	L1	A
Projection	L1	A
Rearrange Series	L1	A
Screen Layout	L1	I
Service Window	L1	
Sort Images	L1	A
Split Multi-Phasic Series	L1	
Tab Stops	L1	
True Size	L1	
Undo/Redo/Reset	L1	I
View Original Images	L1	
Window Level	L1	I
Window Level Preset	L1	I
Image Area Wizards		
Create or Import Wizards	CA	I
Delete Wizards	CA	

Operation	License level	Referring Physician
Edit Wizards	CA	
Run Wizards	CA	I
Job Manager		
Delete Jobs	L1	
Enable Job Manager	L1	
Modify Any Job	L1	
Modify Job Priority	L1	
Key Images Edit Favorite Titles	L1	
Keywords		
Edit Personal Keywords	L1	I
Edit System Keywords	L1	
Link Patients	L1	I
Messaging Service		
Instant Messaging	L1	
Receive Study Messages	L1	
Modality		
View All	MOD_ALL	I
View CR	MOD_CR	
View CT	MOD_CT	
View DR	MOD_DR	
View MG	MOD_MG	
View MR	MOD_MR	
View NM	MOD_NM	
View US	MOD_US	
View XA	MOD_XA	
Orthopaedic Application	OT	
Override permissions on a folder	TF	
Print		
Edit Composite Layouts	L2	
Print to Paper	L1	I
Quality Control		
Acknowledge Conflicts	QC	

Operation	License level	Referring Physician
Fixup, Segment, and Split Studies	QC	
Quick Fix Up	QC	
Remember User Settings	L1	I
Scripting		
Configure Scripts	L1	
Run Scripts	L1	
Search for Open Studies	L1	
Searching for studies		
Add Search Criteria	L1	
Advanced Search	L1	
Configure Simple Search Criteria	L1	
Simple Search	L1	I
Use Relevant Prior Rules	L1	I
Set Default Image Type	L1	
TalkStation Integration	TS	
Teaching Files	TF	
Add Teaching File Folders	TF	
Delete Teaching File Folders	TF	
Modify Teaching File Folders	TF	
Update Teaching File Folders	TF	I
View Teaching File Folders	TF	
Text Area		
Configure SmartSeek Tabs	L1	
Edit Favorite Study Comments	L1	
Enable Enterprise Study List	L1	
Enable Text Area	L1	I
Private Study Comments	L1	
Update Study	L1	
Worklists		
Configure Global Priority Groups	L1	
Edit Viewable Worklists	L1	
Personal Worklists	L1	

Operation	License level	Referring Physician
Scheduled Worklists		
Add Studies to Scheduled Worklists	RONDS	
Create Scheduled Worklists	RONDS	
Delete Scheduled Worklists	RONDS	
Edit Scheduled Worklists	RONDS	
Remove Studies from Scheduled Worklists	RONDS	
Reorder Scheduled Worklists	RONDS	
View Scheduled Worklists	RONDS	
Standard Worklists		
Create Worklists	L1	
Delete Worklists	L1	
Edit Worklists	L1	

Study-Based

Operation	License level	Referring Physician
Add/Remove Key Images	L2	
Dictate Studies as Radiologist	L1	
Dictate Studies as Resident	L1	
Edit Study Priority		
Export and Import Studies		
Export Studies to Local Media	L1	
Export Studies to Remote Media	L1	
Image Area Tools		
Collimate	L1	
Delete Image (Approved)	L1	
Delete Image (Dictated)	L1	
Delete Image (New)	L1	
Delete Image (Reported)	L1	
Edit All Markups (Approved)	L1	
Edit All Markups (Dictated)	L1	
Edit All Markups (New)	L1	

Operation	License level	Referring Physician
Edit All Markups (Reported)	L1	
Edit DICOM Elements	L1	
Edit Study Snapshots	L1	
Export Images	L1	A
Geometry	L1	A
Import Images	L1	
Invert	L1	A
Magnification	L1	A
Markup	L1	A
Publish SPS Objects	L1	
Rearrange Images	L1	A
Save Geometry (Approved)	L1	
Save Geometry (Dictated)	L1	
Save Geometry (New)	L1	
Save Geometry (Reported)	L1	
Save Magnification/Pan (Approved)	L1	
Save Magnification/Pan (Dictated)	L1	
Save Magnification/Pan (New)	L1	
Save Magnification/Pan (Reported)	L1	
Save Markup (Approved)	L1	
Save Markup (Dictated)	L1	
Save Markup (New)	L1	
Save Markup (Reported)	L1	
Save Tab Stops	L1	
Save User Image Calibration	L1	
Save Window Level	L1	
User Image Calibration	L1	
Keywords		
Associate keywords with study	L1	I
Print		
Print Composite Layouts	L1	
Print Study	L1	

Operation	License level	Referring Physician
Study Retrieval		
Retrieve Offline Studies	L1	
Retrieve Studies from External PACS	L1	
Retrieve Studies from HSM	L1	
Retrieve Studies from Nearline	L1	A
Text Area		
Add study comments	L1	A
Edit Patient Demographics	QC	
Edit Performing Physician	L1	
Edit Study Comments	L1	
Edit Study Status	L1	
Protect Studies	L1	
View Reports	L1	A
Transmit Studies	L1	
View Study	L1	A

Surgery role: Default PACS Client operations

(Topic number: 54901)

Legend:

3D	3D visualization	Mod_CT	Display of CT modality type
A	Assigned functionality	Mod_DR	Display of DR modality type
CA	Client automation	Mod_MG	Display of MG modality type
CAD	Display of CAD markers	Mod_MR	Display of MR modality type
COMPREV	Mammography	Mod_NM	Display of NM modality type
CONFIG	Configuration area	Mod_US	Display of US modality type
CS	Context Server	Mod_XA	Display of XA modality type
HP	Hanging protocols	OT	Orthopaedic integration
I	Inherited functionality	QC	Quality
L1	Level 1 Basic Feature Set	RONDS	Scheduling and review of ronds

L2	Level 2 Basic Feature Set	TF	Teaching files
Mod_ALL	Display of all modality types	TS	TalkStation integration
Mod_CR	Display of CR modality type		

General

Operation	License level	Top-level	Surgery		
			General Surgeon	Neuro Surgeon	Orthopaedic Surgeon
At-a-Glance					
Edit At-a-Glance Messages	L1				
Show At-a-Glance	L1	I	I	I	I
Audible Notification	L1	I	I	I	I
Change Password	CONFIG	I	I	I	I
Configure Area					
Individual Configuration	CONFIG				
Preferences	CONFIG				
Printers	CONFIG				
Service	CONFIG				
Stations	CONFIG				
Users and Roles	CONFIG				
Context Server Integrations					
Allow Single Sign-on	CS	I	I	I	I
Enable Context Server Integrations	CS	I	I	I	I
Cycle Studies	L1				
Delete Study					
Edit Columns	L1				
Edit Enumerated Values					
Edit Viewable Worklists					
Export and Import Studies					
Export Studies with Image Viewer	L1	A			
Export Studies with Reports	L1				
Import Studies	L1				

Operation	License level	Surgery			
		Top-level	General Surgeon	Neuro Surgeon	Orthopaedic Surgeon
History	L1				
Image Area	L1	I	I	I	I
Image Area Tools					
3D	3D	A			
Active Target	L1	I	I	I	I
Apply Hanging Protocols	HP	A			
Apply System Layout Protocols	L1				
Auto Window Level	L1	I	I	I	I
Break Out Gated Series	L1	A			
Cine Viewer	L1	I	I	I	I
Comparative Review	COMPREV				
Compare	L1	I	I	I	I
Create Combined Series	L1				
Create Summary Study	L2	A	I	I	I
Customize	L1				
Demographics Toggle	L1	I	I	I	I
Display Markup Toggle	L1	I	I	I	I
Display Scout	L1	I	I	I	I
Edit New Series Descriptions	L1				
Extended Monitor Display	L1	I	I	I	I
Histogram Equalization	L1	A			
Image Enhancement	L2	A			
Image Information Window	L1	I	I	I	I
Image Pasting	L1	A			
Image Selection	L1	I	I	I	I
Linking	L1	I	I	I	I
Mammography CAD SR Toggle	CAD	A			
MPR	L2				

Operation	License level	Surgery			
		Top-level	General Surgeon	Neuro Surgeon	Orthopaedic Surgeon
Nonlinear Window Level	L1	I	I	I	I
Nuclear Medicine Palette	L1	A			
Paired Zoom and Pan	L1				
Pin Study	L1	I	I	I	I
Pixel Value Toggle	L1				
Presentation State Selection	L1	I	I	I	I
Projection	L1	I	I	I	I
Rearrange Series	L1	I	I	I	I
Screen Layout	L1	I	I	I	I
Service Window	L1				
Sort Images	L1	I	I	I	I
Split Multi-Phasic Series	L1				
Tab Stops	L1				
True Size	L1	A			
Undo/Redo/Reset	L1				
View Original Images	L1				
Window Level	L1	I	I	I	I
Window Level Preset	L1	I	I	I	I
Image Area Wizards					
Create or Import Wizards	CA	I	I	I	I
Delete Wizards	CA				
Edit Wizards	CA	A			
Run Wizards	CA	I	I	I	I
Job Manager					
Delete Jobs	L1				
Enable Job Manager	L1				
Modify Any Job	L1				
Modify Job Priority	L1				
Key Images Edit Favorite Titles	L1				
Keywords					
Edit Personal Keywords	L1	I	I	I	I

Operation	License level	Surgery			
		Top-level	General Surgeon	Neuro Surgeon	Orthopaedic Surgeon
Edit System Keywords	L1				
Link Patients	L1	I	I	I	I
Messaging Service					
Instant Messaging	L1	A	I	A	A
Receive Study Messages	L1				
Modality					
View All	MOD_ALL	I	I	I	I
View CR	MOD_CR				
View CT	MOD_CT				
View DR	MOD_DR				
View MG	MOD_MG				
View MR	MOD_MR				
View NM	MOD_NM				
View US	MOD_US				
View XA	MOD_XA				
Orthopaedic Application	OT				
Override permissions on a folder	TF				
Print					
Edit Composite Layouts	L2				
Print to Paper	L1	I	I	I	I
Quality Control					
Acknowledge Conflicts	QC				
Fixup, Segment, and Split Studies	QC				
Quick Fix Up	QC				
Remember User Settings	L1	I	I	I	I
Scripting					
Configure Scripts	L1				
Run Scripts	L1				
Search for Open Studies	L1				
Searching for studies					

Operation	License level	Surgery			
		Top-level	General Surgeon	Neuro Surgeon	Orthopaedic Surgeon
Add Search Criteria	L1				
Advanced Search	L1	A			
Configure Simple Search Criteria	L1				
Simple Search	L1	I	I	I	I
Use Relevant Prior Rules	L1	I	I	I	I
Set Default Image Type	L1				
TalkStation Integration	TS				
Teaching Files	TF				
Add Teaching File Folders	TF	A			
Delete Teaching File Folders	TF	A			
Modify Teaching File Folders	TF				
Update Teaching File Folders	TF	A			
View Teaching File Folders	TF	A			
Text Area					
Configure SmartSeek Tabs	L1				
Edit Favorite Study Comments	L1				
Enable Enterprise Study List	L1				
Enable Text Area	L1	I	I	I	I
Private Study Comments	L1				
Update Study	L1				
Worklists					
Configure Global Priority Groups	L1				
Edit Viewable Worklists	L1				
Personal Worklists	L1				
Scheduled Worklists					
Add Studies to Scheduled Worklists	RONDS				

Operation	License level	Top-level	Surgery		
			General Surgeon	Neuro Surgeon	Orthopaedic Surgeon
Create Scheduled Worklists	RONDS	A			
Delete Scheduled Worklists	RONDS	A			
Edit Scheduled Worklists	RONDS	A			
Remove Studies from Scheduled Worklists	RONDS				
Reorder Scheduled Worklists	RONDS				
View Scheduled Worklists	RONDS	A			
Standard Worklists					
Create Worklists	L1	A			
Delete Worklists	L1	A			
Edit Worklists	L1	A			

Study-Based

Operation	License level	Top-level	Surgery		
			General Surgeon	Neuro Surgeon	Orthopaedic Surgeon
Add/Remove Key Images	L2	A			
Dictate Studies as Radiologist	L1				
Dictate Studies as Resident	L1				
Edit Study Priority					
Export and Import Studies					
Export Studies to Local Media	L1				
Export Studies to Remote Media	L1				
Image Area Tools					
Collimate	L1	A			
Delete Image (Approved)	L1				
Delete Image (Dictated)	L1				
Delete Image (New)	L1				
Delete Image (Reported)	L1				
Edit All Markups (Approved)	L1				

Operation	License level	Surgery			
		Top-level	General Surgeon	Neuro Surgeon	Orthopaedic Surgeon
Edit All Markups (Dictated)	L1				
Edit All Markups (New)	L1				
Edit All Markups (Reported)	L1				
Edit DICOM Elements	L1				
Edit Study Snapshots	L1				
Export Images	L1	I	I	I	I
Geometry	L1	I	I	I	I
Import Images	L1	A			
Invert	L1	I	I	I	I
Magnification	L1	I	I	I	I
Markup	L1	I	I	I	I
Publish SPS Objects	L1	A			
Rearrange Images	L1	I	I	I	I
Save Geometry (Approved)	L1				
Save Geometry (Dictated)	L1				
Save Geometry (New)	L1	A			
Save Geometry (Reported)	L1				
Save Magnification/Pan (Approved)	L1				
Save Magnification/Pan (Dictated)	L1				
Save Magnification/Pan (New)	L1	A			
Save Magnification/Pan (Reported)	L1				
Save Markup (Approved)	L1				
Save Markup (Dictated)	L1				
Save Markup (New)	L1	A			
Save Markup (Reported)	L1				
Save Tab Stops	L1	A			
Save User Image Calibration	L1	A			
Save Window Level	L1	A			
User Image Calibration	L1				

Operation	License level	Surgery			
		Top-level	General Surgeon	Neuro Surgeon	Orthopaedic Surgeon
Keywords					
Associate keywords with study	L1				
Print		I	I	I	I
Print Composite Layouts	L1	A			
Print Study	L1				
Study Retrieval					
Retrieve Offline Studies	L1	A			
Retrieve Studies from External PACS	L1	A			
Retrieve Studies from HSM	L1	A			
Retrieve Studies from Nearline	L1	A	I	I	I
Text Area					
Add study comments	L1	I	I	I	I
Edit Patient Demographics	QC				
Edit Performing Physician	L1				
Edit Study Comments	L1				
Edit Study Status	L1				
Protect Studies	L1				
View Reports	L1	I	I	I	I
Transmit Studies	L1				
View Study	L1	I	I	I	I

Glossary

A

all-in-one configuration

A configuration in which the Database, Archive Server, Network Gateway, and Curator Server components are all installed on a single Windows server, along with the Application Server software.

Application Server

Intermediary server between IMPAX Client and IMPAX Server machines. LDAP, Documentation, and other Business Services reside on the Application Server.

Archive Server

The IMPAX server that manages the archive. The Archive Server handles requests to store studies to the archive and to retrieve studies from the archive. The Archive Server stores studies in its cache before archiving them to long-term storage.

C

cluster

A networking solution combining two or more otherwise independent computers, enabling them to work together in managing hospital data.

coplanar

Two or more series that are parallel, or in the same plane, are coplanar.

D

database

A collection of data that is organized so that its contents can easily be accessed, managed, and updated.

DICOM

Digital Imaging and Communications in Medicine. The standard communication protocol used by a PACS, HIS, or modality to exchange information or images with other systems.

DLT

Digital Linear Tape. A half-inch format used for archiving. Each carrier is two-sided; each side is considered to be a separate volume. These tapes have one spindle in the cartridge, as opposed to other types of tapes (for example, VHS) that have two. The tape unwinds into the drive and must be completely wound back into the DLT cartridge before it can be unloaded.

F

firewall

On a local area network (LAN) connected to a larger network, the security system that prevents outside intrusion and that keeps internal information from getting out. Typically, all traffic must pass through the machine on which the firewall is implemented.

H

HIS

Hospital Information System. The database used by a hospital to manage patient information and scheduling.

I

IMPAX Client

IMPAX Clients are used to view study images and data. The IMPAX Client integrates PACS, RIS, and reporting applications into a single delivery of information.

L

load balancing

Distributing processing and communications activity evenly across a computer network so that no single device is overwhelmed.

M

Macro enterprise

A Macro enterprise is an environment comprised of multiple clusters or Micro enterprises and coordinated by a central Data Center. It is the most common deployment type.

MIP

Maximum Intensity Projection. Refers to a projection of the 3D object that shows the tissues of highest density.

modality

An imaging discipline, such as CT, or a device that gathers digital information, such as digitizers for X-ray film, MRI scanners, and CR devices.

multiple IMPAX cluster configuration

In a multiple IMPAX cluster configuration, an IMPAX cluster is linked to one or more other IMPAX or external PACS clusters, such

that patient and study data can be shared and synchronized between them.

N

Network Gateway

The Network Gateway is part of the IMPAX MVF cluster. Essentially, this is the workflow manager of the IMPAX 6.0 and later system. The Network Gateway controls the studies coming into the cluster from an acquisition station, validates these incoming studies against information from the HIS or RIS, and routes the validated studies to cache or archive.

P

PACS

A Picture Archive and Communication Systems (PACS) makes it possible to electronically store, manage, distribute, and view images.

permissions, IMPAX

Permissions define the available IMPAX features and types of studies that users in a particular role have access to. Permissions are made up of a set of operations.

preferences

Configurable options in IMPAX that can be set to accommodate the preferred workflow of defined groups or individuals.

R

RIS

Radiology Information System. Responsible for scheduling exams and for report management in the Radiology department.

role

A collection of users or other roles that holds IMPAX Client permissions and preferences as well as licensing options. For example, a role

can represent the enterprise, the institution, a department, or a team.

S

single-server configuration

An IMPAX single server is a Windows server that runs the AS300 Server software in a single-host configuration along with the Application Server and Connectivity Manager software.

standalone configuration

In an IMPAX standalone configuration, the IMPAX AS300 Server, Application Server, and Client software are all installed on the same Windows server.

study access rule

The second portion of a study-based permission. The rules limit what groups of studies the permission applies to. For example, you can set study access rules to apply a permission to all studies from a specific modality, or to allow clinicians to view only the studies they referred.

W

wizard

Wizards are used to automate processes. Wizards perform a predetermined sequence of actions after they are selected and applied.

worklist

A collection of patients and their studies. For radiologists, the worklist is analogous to a pile of film jackets. They use the worklist to know which studies they must interpret during a specific time period. For technologists, a worklist is a list of the studies they must perform at specific times for each patient.

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