SonoSite Synchronicity Workflow Manager Administrator User Guide
1. Introduction

About the SonoSite Synchronicity Workflow Manager Administrator User Guide .......... 1-1
Document conventions ................................................................................................................. 1-1
Getting help ..................................................................................................................................... 1-2
Software intended use ..................................................................................................................... 1-2
SonoSite Synchronicity Workflow Manager overview .............................................................. 1-3
Administrator roles ....................................................................................................................... 1-4

2. Managing users and user groups

Managing users ................................................................................................................................. 2-1
  Viewing the user profile list ............................................................................................................. 2-1
  Creating a new user profile ............................................................................................................. 2-1
  Adding a user to a department ....................................................................................................... 2-2
  Deactivating a user profile ............................................................................................................. 2-3
Managing user groups ...................................................................................................................... 2-3
  Viewing the user group list ............................................................................................................. 2-3
  Creating a new user group ............................................................................................................. 2-4
  Editing a user group ....................................................................................................................... 2-4
  Deleting a user group ..................................................................................................................... 2-4
Resetting studies to unassigned status ........................................................................................... 2-4

3. Building custom and QA worksheets

Overview ............................................................................................................................................... 3-1
Building custom worksheets .............................................................................................................. 3-1
  Viewing the worksheet list ............................................................................................................ 3-1
  Creating a new worksheet from a template .................................................................................. 3-2
  Creating a new worksheet from an existing worksheet ................................................................. 3-3
  Unpublishing and deleting worksheets ......................................................................................... 3-11
Building QA worksheets ................................................................................................................. 3-12
  Previewing the QA worksheet ....................................................................................................... 3-12
  Updating the QA worksheet ......................................................................................................... 3-12
  Resetting the QA worksheet back to the ACEP version .............................................................. 3-13

4. Managing CPT codes
<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Viewing the CPT code list</td>
<td>4-1</td>
</tr>
<tr>
<td>Creating a new CPT code</td>
<td>4-1</td>
</tr>
<tr>
<td>Editing a CPT code</td>
<td>4-2</td>
</tr>
<tr>
<td>Deleting a CPT code</td>
<td>4-2</td>
</tr>
<tr>
<td>Canceling a CPT code</td>
<td>4-2</td>
</tr>
<tr>
<td><strong>5. Managing exam types</strong></td>
<td></td>
</tr>
<tr>
<td>Viewing the exam type list</td>
<td>5-1</td>
</tr>
<tr>
<td>Creating a new exam type</td>
<td>5-1</td>
</tr>
<tr>
<td>Modifying an exam type</td>
<td>5-2</td>
</tr>
<tr>
<td>Disabling custom exam types</td>
<td>5-2</td>
</tr>
<tr>
<td>Deleting custom exam types</td>
<td>5-2</td>
</tr>
<tr>
<td><strong>6. Managing a credentialing program</strong></td>
<td></td>
</tr>
<tr>
<td>Overview</td>
<td>6-1</td>
</tr>
<tr>
<td>The Department Administrator role</td>
<td>6-1</td>
</tr>
<tr>
<td>Credentialing program process (as an Administrator)</td>
<td>6-2</td>
</tr>
<tr>
<td>Creating a new program</td>
<td>6-2</td>
</tr>
<tr>
<td>Editing a program</td>
<td>6-4</td>
</tr>
<tr>
<td>Previewing a program</td>
<td>6-4</td>
</tr>
<tr>
<td>Disabling and enabling programs</td>
<td>6-4</td>
</tr>
<tr>
<td>Deleting a program</td>
<td>6-5</td>
</tr>
<tr>
<td><strong>7. Reporting</strong></td>
<td></td>
</tr>
<tr>
<td>Overview</td>
<td>7-1</td>
</tr>
<tr>
<td>Viewing administrative reports</td>
<td>7-1</td>
</tr>
<tr>
<td>Viewing educational reports</td>
<td>7-3</td>
</tr>
<tr>
<td>Scheduling automatic email notifications</td>
<td>7-3</td>
</tr>
<tr>
<td>Sending report summaries through email</td>
<td>7-4</td>
</tr>
<tr>
<td><strong>8. Configuring IT settings</strong></td>
<td></td>
</tr>
<tr>
<td>Configuring login security</td>
<td>8-1</td>
</tr>
<tr>
<td>Configuring directory and SMTP server connections</td>
<td>8-2</td>
</tr>
<tr>
<td>Configuring the connection to the LDAP directory</td>
<td>8-2</td>
</tr>
<tr>
<td>Configuring the SMTP server</td>
<td>8-3</td>
</tr>
<tr>
<td>Configuring EMR submissions</td>
<td>8-3</td>
</tr>
<tr>
<td>Configuring DICOM server connections</td>
<td>8-4</td>
</tr>
<tr>
<td>Configuring system settings</td>
<td>8-5</td>
</tr>
<tr>
<td>Configuring the DICOM auto-archive frequency</td>
<td>8-5</td>
</tr>
<tr>
<td>Configuring system user notifications</td>
<td>8-5</td>
</tr>
</tbody>
</table>
Introduction

About the SonoSite Synchronicity Workflow Manager Administrator User Guide

This SonoSite Synchronicity Workflow Manager Administrator User Guide provides information about configuring and using SonoSite Synchronicity Workflow Manager.

Document conventions

The user guide follows these conventions:

- A **WARNING** describes precautions necessary to prevent injury or loss of life.
- A **Caution** describes precautions necessary to protect the products.
- A **Note** provides supplemental information.
- Numbered and lettered steps must be performed in a specific order.
- Bulleted lists present information in list format but do not imply a sequence.

- Single-step procedures begin with ◆.
Getting help

In addition to the information in this user guide, you can contact FUJIFILM SonoSite Technical Support:

<table>
<thead>
<tr>
<th>Phone</th>
<th>833-352-9654</th>
</tr>
</thead>
<tbody>
<tr>
<td>(U.S. or Canada)</td>
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<tr>
<td>Phone</td>
<td>425-951-1330, or call your local representative</td>
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<tr>
<td>(outside U.S. or Canada)</td>
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<tr>
<td>Fax</td>
<td>425-951-6700</td>
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<tr>
<td>Email</td>
<td><a href="mailto:ffss-connectivityservice@fujifilm.com">ffss-connectivityservice@fujifilm.com</a></td>
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<tr>
<td>Web</td>
<td><a href="http://www.sonosite.com">www.sonosite.com</a></td>
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<tr>
<td>Europe Service Center</td>
<td>Main: +31 20 751 2020</td>
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<td></td>
<td>English support: +44 14 6234 1151</td>
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<td>French support: +33 1 8288 0702</td>
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<td></td>
<td>German support: +49 69 8088 4030</td>
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<td>Italian support: +39 02 9475 3655</td>
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<td></td>
<td>Spanish support: +34 91 123 8451</td>
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<tr>
<td>Asia Service Center</td>
<td>+65 6380-5581</td>
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</table>

Software intended use

SonoSite Synchronicity Workflow Manager software allows you to transfer images, clips, reports, notes, and other data from your ultrasound system to your Picture Archiving and Communication System (PACS) using Digital Imaging and Communications in Medicine (DICOM) protocols. You can also use SonoSite Synchronicity Workflow Manager software to send your ultrasound study report to your EMR or EHR (Electronic Medical or Hospital Record) system.

**WARNING** SonoSite Synchronicity Workflow Manager is not intended for diagnostic purposes. Measurements or labels added to images using SonoSite Synchronicity Workflow Manager software are not intended for diagnostic use.
Caution

Healthcare providers who maintain or transmit health information are required by the Health Insurance Portability and Accountability Act (HIPAA) of 1996 and the European Union Data Protection Directive (95/46/EC) to implement appropriate procedures: to ensure the integrity and confidentiality of information and to protect against any reasonably anticipated threats or hazards to the security or integrity of the information or unauthorized uses or disclosures of the information.

SonoSite Synchronicity Workflow Manager provides settings that enable you to meet the applicable security requirements listed in the HIPAA standard. Users are ultimately responsible for ensuring the security and protection of all electronic protected health information collected, saved, reviewed, and transmitted to and from the application.

Note

To protect patient confidentiality, remove all identifying information from patient images, files, or records before sending electronically.

SonoSite Synchronicity Workflow Manager overview

SonoSite Synchronicity Workflow Manager is a point-of-care ultrasound reporting system that streamlines clinical workflow while delivering administrative efficiencies with flexible credentialing tools. It provides a comprehensive solution to the administrative challenges faced by point-of-care ultrasound physicians, enabling standardization of unique workflows both within a department and hospital-wide, which increases efficiency and time spent caring for patients.

SonoSite Synchronicity Workflow Manager provides the following:

- **Simplified workflow** - The intuitive user interface allows for a short adoption period in the hospital department and less time spent on administrative tasks. With a built-in, simple DICOM viewer, the familiar workflow tools can be used on a computer, tablet, or mobile device.
- **Focus on education** - Designed with ACEP guidelines in mind, credentialing programs can be designed to suit your requirements. The configurable worksheets for quality assurance give you flexibility in any rapidly changing environment.
- **Worksheet-driven workflow** - The built-in worksheet templates can be configured to meet your department processes, driving your standardized workflow for quality assurance, credentialing, and exam billing.
- **Scalable to your environment** - From a single clinic to a whole hospital network, SonoSite Synchronicity Workflow Manager can be scaled to meet your requirements for standardization, consistency, and compliance.
- **Shortened implementation time** - Our team, dedicated to IT solution implementations, is with you every step of the way. By understanding your needs from the beginning, your installation of SonoSite Synchronicity Workflow Manager can be completed with little interruption to you and in a time frame that suits your schedule.
**Administrator roles**

There are two types of administrators within SonoSite Synchronicity Workflow Manager: a System Administrator and a Department Administrator. The roles between the two are almost identical; however, the System Administrator has the following additional permissions:

- “Creating a new user profile” on page 2-1
- “Deactivating a user profile” on page 2-3
- “Configuring login security” on page 8-1
- “Configuring the connection to the LDAP directory” on page 8-2
- “Configuring the SMTP server” on page 8-3
- “Configuring EMR submissions” on page 8-3
- “Configuring DICOM server connections” on page 8-4
- “Configuring system settings” on page 8-5
Managing users and user groups

Managing users

In SonoSite Synchronicity Workflow Manager, you can add users two ways:

- **Automatically** by configuring the LDAP directory
- **Manually** by creating a user profile within SonoSite Synchronicity Workflow Manager

LDAP is a standards-based mechanism for interacting with directory servers. It’s often used for authentication and storing information about users, groups, and applications, but an LDAP directory server is a general-purpose data store that can be configured with SonoSite Synchronicity Workflow Manager (if your organization has access to it). For information about configuring SonoSite Synchronicity Workflow Manager to work with LDAP, refer to “Configuring the connection to the LDAP directory” on page 8-2.

The instructions for creating and editing user profiles are for those organizations that cannot connect with LDAP and need to manually create user profiles.

**Note**

Users must have a department and role assigned to them, or they won't have access to anything when they log in. You have to assign at least one department and role to each user.

Viewing the user profile list

To view the user profile list

From the main menu, select **Department Admin or System Admin**, and click **Profiles**.

Creating a new user profile

Only System Administrators can create new user profiles. Department Administrators can add existing users to their departments and update roles.
To create a new user profile

1. From the main menu , select **System Admin**, and click **Profiles**.

2. Click **Add**.

3. In the **Email** field, type the user’s email address. If there is already a profile for the user, SonoSite Synchronicity Workflow Manager automatically populates the remaining fields.

4. From the **Title** drop-down list box, select a title for the new user.

5. Optionally, from the **Prefix** drop-down list box, select a prefix for the new user.

6. In the **User name** field, type the login name for the user.

7. In the **First name** field, type the first name of the user.

8. In the **Last name** field, type the last name of the user.

9. In the **Mobile Number** field, type the user’s 10-digit mobile number.

10. In the **Badge ID** field, type the user’s badge ID.

11. In the **Is this user a System Admin** field, select one of the following:

   - **Yes**; go to Step 12.
   - **No**
     a. From the **Departments** drop-down list box, select a department.
     b. From the **Roles** drop-down list box, select one or more roles.
     c. To add another department, click **Add**, and repeat Steps a and b.

12. When done, click **FINISH**.

    SonoSite Synchronicity Workflow Manager generates the user’s system password after you submit the form.

### Adding a user to a department

You can add both LDAP users and non-LDAP users to a department.

**To add a user to a department**

1. From the main menu , select **Department Admin**, and click **Profiles**.
2 Click **Add**.

3 In the **Email** field, type the user’s email address.

   There should already be a profile for the user, SonoSite Synchronicity Workflow Manager automatically populates most of the remaining fields, and they are read-only.

4 To add a department, click **Add**.

5 From the **Departments** drop-down list box, select a department.

6 From the **Roles** drop-down list box, select one or more roles.

7 To add another department, click **Add**, and repeat Steps 5 and 6.

8 When done, click **FINISH**.

**Deactivating a user profile**

Only System Administrators can deactivate a user profile, so it is hidden from other users.

**To deactivate a user profile**

1 From the main menu , select **Department Admin** or **System Admin**, and click **Profiles**.

2 From the user profile list, find the user profile you want to deactivate, and select the check box by their name.

3 Click **Deactivate**.

   To reactivate the user profile, follow steps 1 and 2, and click **Activate**.

**Managing user groups**

When creating user groups, make sure that each user in the group has the same role that you are adding the group to; for example, if you are creating a “QA” user group, each user must have “QA” as their designated role.

**Viewing the user group list**

**To view the user group list**

- From the main menu , select **Department Admin**, and click **Groups**.
Creating a new user group

To create a new user group

1. From the main menu, select Department Admin, and click Groups.
2. Click Create.
3. In the User Group Name field, type the name of the user group. For example, Attending, EMED, or QA Reviewers.
4. From the Users drop-down list box, select one or more users.
5. In the User Group Description field, type a description of the user group.
6. Click CREATE.

Editing a user group

To edit a user group

1. From the User Group list, search for the user group you want to modify.
2. Click the user group.
3. Make the required changes, and click UPDATE.

Deleting a user group

When you delete a user group, you delete the group, not the individual user.

To delete a user group

1. From the User Group list, find the user group you want to delete, and click the trash icon.
2. When prompted, click DELETE.

Resetting studies to unassigned status

There can be situations where studies that have been assigned to one user need to be freed for another person to use. To accommodate this requirement, administrators can use the Reset feature to reset multiple studies at once to unassigned status,
To unassign studies

1. From the SonoSite Synchronicity Workflow Manager dashboard, click All assigned.

2. (Optional) Select any filters of interest (such as Provider or Status).

3. Select the check box of each study that you want to unassign.

   **Note** Administrators can reset any study status, except those which are set to QA archived, Deleted, or Performing unassigned status.

4. Click Actions at the top of the page.

5. Under Studies, click Reset.

   The selected items are reset to Performing unassigned. They can now be reassigned.
Building custom and QA worksheets

Overview

In SonoSite Synchronicity Workflow Manager, you can create custom worksheets in one of two ways: You can copy one of the default templates that are available in the SonoSite Synchronicity Workflow Manager application or you can copy an existing worksheet.

Note

If you are updating a worksheet that is currently being used for a study, the worksheet is not updated until the next time the worksheet is selected by a user.

The FUJIFILM SonoSite Professional Services team will help you build worksheets for your department when they install the software.

In addition, SonoSite Synchronicity Workflow Manager provides a QA worksheet (one per department) that can be updated based on your department needs.

Building custom worksheets

Viewing the worksheet list

From the worksheet list, you can:

› View all the worksheets
› Create a worksheet from a template or an existing worksheet
› Publish and unpublish a worksheet
› Delete a worksheet

To view the worksheet list

1 From the main menu ☰, select Department Admin.
From the Department Admin dashboard, select **Custom worksheets**.

To sort the list, click **Sort**, and select an option.

### Creating a new worksheet from a template

If you don’t have many worksheets or want to create one that’s brand new, you may want to start with a template. Starting with a template is also helpful if you only have detailed worksheets that you would have to trim down anyway.

If you want to create a worksheet based on an existing worksheet, see “Creating a new worksheet from an existing worksheet” on page 3-3.

#### To create a new worksheet from a template

1. From the main menu ☰, select **Department Admin**.
2. From the Department Admin dashboard, select **Custom worksheets**.
3. Click **Create from template**.
4. From the list, select the worksheet that is similar to the one you want to create.
5. Click **Copy**.
6. In the **Worksheet name** field, type a new name for the worksheet.
7. Complete the rest of the worksheet. Click one of the links below to jump to that topic.
   - Add, move, and delete sections
   - Add, edit, move, and delete questions
   - Add and delete exams
   - Add and delete CPT codes
8. To save your changes, click **FINISH**.
9. From the pop-up screen, click **Publish** to allow others to use the worksheet or **Unpublish** to keep the worksheet hidden.
10. Click **SUBMIT**.
Creating a new worksheet from an existing worksheet

If you want to make a new worksheet based on an existing one (for example, using a Cardiac worksheet to create one for eFast), you can choose to copy the Cardiac worksheet and just switch the sections around so the heart section is first instead of the abdomen. Moving sections around in a worksheet is simple and fast.

If you want to create a worksheet based on a template, see “Creating a new worksheet from a template” on page 3-2.

To create a new worksheet from a template

1 From the main menu , select Department Admin.
2 From the Department Admin dashboard, select Custom worksheet.
3 From the list, select the worksheet that is similar to the one you want to create. A preview of the worksheet displays.
4 To create a new worksheet, click Edit.
5 In the Worksheet name field, type a new name for the worksheet.
6 Complete the rest of the worksheet. Click one of the links below to jump to that topic.
   ▶ Add, edit, move, and delete sections
   ▶ Add, edit, move, and delete questions
   ▶ Add and delete exams
   ▶ Add and delete CPT codes
7 To save your changes, click FINISH.
8 From the pop-up screen, click Publish to allow others to use the worksheet or Unpublish to keep the worksheet hidden.
9 Click SUBMIT.

Adding, editing, moving, and deleting sections

Note If you are updating a worksheet that is already being used for a study, it will not be updated until the next time the worksheet is selected.

To add a new section to a worksheet

1 In the worksheet form, next to a section, click the copy icon .
2 From the **Copy** it drop-down list, select whether you want the new section to come before or after the section you select from the **section** drop-down list.

3 Click **Copy**.

4 In the **Section name** field of the copied section, type a new section name.

5 Revise the section as needed.

**To edit a section of a worksheet**

1 In the worksheet form, revise the fields in the section, as needed.

2 Click **Save**.

**To move a section in a worksheet**

1 In the worksheet form, next to the section you want to move, click the move icon ✉️.

2 From the **Move it** drop-down list, select whether you want the new section to come before or after the section you select from the **section** drop-down list.

3 Click **Move**.

**To delete a section**

✎ In the worksheet form, next to the section you want to delete, click the trash can icon 🗑.

**Adding, editing, moving, and deleting questions**

**To add questions and text to a worksheet**

1 In the worksheet form, next to the section you want to add the question to, click **New Question**, and select one of the following:
Multiple choice – check box Adds an area for you to create a question and then check box options for the question. Users can select more than one check box for this type of question.

Multiple choice – radio button Adds an area for you to create a question and then radio button options for the question. Users can select only one radio button for this type of question.

Multiple choice – drop-down Adds an area for you to create a question with drop-down choices. Users can select only one option for this type of question.
- **Input field** Adds an area for you to create a question and then provides a text field for users to answer the question.

![Input field example](image)

What the question options look like when you’re editing

What the question options look like in the actual worksheet

- **Calculation input** Adds an area for you to select a measurement option with a character limit.

![Calculation input example](image)

What the question options look like when you’re editing

What the question options look like in the actual worksheet

- **Text only** Adds an area for you to type a statement.

![Text only example](image)

What the question options look like when you’re editing

What the question options look like in the actual worksheet
Matrix scale Adds an area for you to type a question, a list of options, and a secondary list of questions. When you save the matrix scale, the options are available in a drop-down list to all of the secondary questions.

What the question options look like when you’re editing

What the question options look like in the actual worksheet
• **Matrix scale lateral** Like the matrix scale, adds an area for you to type a question, a list of options, and a secondary list of questions. When you save the matrix scale lateral, however, the options are available in a drop-down list for all of the secondary questions but are separated into columns labeled Right and Left.

![Matrix scale lateral example](image)

**What the question options look like when you’re editing**

**What the question options look like in the actual worksheet**

• **Conditional question** Adds a section for a conditional question with primary options and also an optional conditional statement to one of your primary options.

![Conditional question example](image)

**What the question options look like when you’re editing**

**What the question options look like in the actual worksheet**
Text area Adds an area for you to create a question and then provides a field for you to prompt users about how answer the question.

2 Within each new question, in the Enter your question field, type the new question.

3 In the Option choices field(s), type the options. For each option, you can click the:
   - Up and down arrows ▲  ▼ to move the options within the list
   - Add icon ⊕ to add another option
   - Remove icon ⊖ to remove an option

4 After completing the question and options, click SAVE.

To edit a question

1 In the question area, click EDIT, and make your changes.

2 When finished, click SAVE.

To copy a question

1 In the worksheet form next to a question, click the copy icon  

2 From the Copy it drop-down list, select whether you want the new question to come before or after the question you select from the question drop-down list.

3 In the Section name field of the copied question, type a new question.

4 Revise the question options as needed.
To move a question to another part of the worksheet

1 In the worksheet form next to the question you want to move, click the move icon.

2 From the Move it drop-down list, select whether you want the new question to come before or after the question you select from the section drop-down list.

To delete a question

In the worksheet form next to the question you want to delete, click the trash can icon.

Adding and removing exams

You must add at least one predefined exams to a worksheet while creating or editing a new worksheet; however, you can only add those exams that have already been created in SonoSite Synchronicity Workflow Manager. When creating or editing an exam type, you can also associate the exam with existing worksheets. For more information about creating exam types and associating them with worksheets, see “Managing exam types” on page 5-1.

While creating a worksheet, you can also remove the exam types you don’t want associated with a worksheet. This comes in handy when you’re copying a worksheet from an existing template or worksheet and don’t need that particular exam type. When you remove an exam type from a worksheet, it only removes the association to that worksheet; it does not remove the exam type altogether.

To add an exam

1 In the worksheet, under Exam type, click an empty part of the box.

2 Select an exam type from the drop-down list. The exam type appears in the box.

To remove an exam

In the worksheet, under Exam type, click the x in the exam type you would like to remove. The exam type is removed from the box.

Adding and removing CPT codes

You can add predefined CPT codes to a worksheet while creating or editing a new worksheet; however, you can only add those CPT codes that have already been created in SonoSite Synchronicity Workflow Manager. When creating or editing a CPT code, you can also associate it with existing worksheets. For more information about creating CPT codes and associating them with worksheets, see “Managing CPT codes” on page 4-1.
While creating a worksheet, you can also remove those CPT codes you don’t want associated with a worksheet. This comes in handy when you’re copying a worksheet from an existing template or worksheet and don’t need that particular CPT code. When you remove a CPT code from a worksheet, it only removes the association to that worksheet; it does not remove the CPT code altogether.

**To add a CPT code**

1. In the worksheet, under **CPT code(s)**, click an empty part of the box.
2. Select a CPT code from the drop-down list. The CPT code appears in the box.

   **Note** All modifiers associated with the CPT code are added.

**To remove a CPT code**

- In the worksheet, under **CPT code**, click the **x** in the CPT code you would like to remove. The CPT code is removed from the box.

**Unpublishing and deleting worksheets**

If you need to make changes to an existing worksheet and don’t want it to display in the worksheet list, you can unpublish it temporarily.

You can also delete a worksheet. If you try to delete or unpublish a worksheet that is currently being used, it will be available until the study ends. If, however, you try to delete or unpublish a worksheet that is part of a credentialing program that is not yet completed, you will not be able to do so.

**To unpublish a worksheet**

- From the worksheet list, click to check the box of the worksheet you’d like to hide from users, and click **Unpublish**. The worksheet turns gray in the list and will not be seen by users.

**To enable a worksheet**

- From the worksheet list, click the worksheet you’d like to enable; it changes from gray to active.

**To delete a worksheet**

- From the worksheet list, click to check the box of the worksheet you’d like to delete, and click **Delete**. The worksheet is removed from the list.
Building QA worksheets

SonoSite Synchronicity Workflow Manager allows one QA worksheet per department, and the first one (before you make custom updates) is the default ACEP. No matter how many changes you make to the QA worksheet, you can always return to the default ACEP.

Previewing the QA worksheet

To preview the QA worksheet

1 From the main menu ☰, select Department Admin.

2 From the Department Admin dashboard, click QA worksheet.

To choose a version of the QA worksheet to preview

› If there haven’t been any changes to the QA worksheet, the factory default (ACEP) version displays.
› If there has been an update to the factory default version, from the View versions drop-down list, select the version you want to preview based on the date and time stamp.

Updating the QA worksheet

To update the QA worksheet

1 From the QA worksheet preview page, click Edit.

2 Select the Custom radio button, and add, edit, move, and delete questions.

To add a question

1 Click New Question and, from the drop-down list, choose the type of question or text you want to add.

2 Within each new question, in the Enter your question field, type the new question.

3 In the Option choices field(s), type the options. For each option, you can click the:

› Up and down arrows ▲ ▼ to move the options within the list

› Add icon ⊕ to add another option

› Remove icon ⊖ to remove an option

4 After completing the question and options, you can add another question or click SAVE.
To edit a question

1. In the question area, click **EDIT**, and make your changes.
2. When done, click **SAVE**.

To copy a question

1. In the worksheet form next to a question, click the copy icon 📝.
2. From the Copy it drop-down list, select whether you want the new question to come before or after the question you select from the question drop-down list.
3. In the **Section name** field of the copied question, type a new question.
4. Revise the question options as needed.

To move a question to another part of the worksheet

1. In the worksheet form next to the question you want to move, click the move icon 🆕.
2. From the Move it drop-down list, select whether you want the new question to come before or after the question you select from the section drop-down list.

To delete a question

* In the worksheet form next to the question you want to delete, click the trash can icon -trash.

**Resetting the QA worksheet back to the ACEP version**

To reset the QA worksheet back to the ACEP version

1. From the QA worksheet preview page, click **Edit**.
2. Select the **ACEP** radio button.
3. Click **FINISH**. The current version is now ACEP.
Managing CPT codes

The American Medical Association (AMA) has a standardized list of Current Procedural Terminology (CPT) codes and modifiers that SonoSite Synchronicity Workflow Manager uses for billing medical diagnostic services and procedures.

SonoSite Synchronicity Workflow Manager allows for the addition of modifiers to CPT codes to show that a procedure code has been altered. One or more modifiers can be added to the CPT code configuration.

Viewing the CPT code list

To view the CPT code list

1. From the main menu, select Department Admin, and click CPT codes.
2. To sort the list, click Sort, and select an option.

Creating a new CPT code

To create a new CPT code

1. From the main menu, select Department Admin, and click CPT codes.
2. Click New.
3. In the CPT code number field, type the CPT code number.
4. In the Short description field, type a short description of the CPT code.
5. In the Full description field, type a detailed description of the CPT code.
6. In the Associated worksheet drop-down list box, select one or more worksheets.
7. Click Add Modifiers (if required for the associated CPT code).
8 In the **Modifier number** field, type the modifier number.

9 In the **Description** field, type a detailed description of the CPT code modifier.

   **Note** There is no limit to the number of modifiers you can add to a CPT code.

10 Click **FINISH**.

**Editing a CPT code**

To edit a CPT code

1 From the main menu **☰**, select **Department Admin**, and click **CPT codes**.

2 From the CPT code list, click the CPT code you want to edit.

3 Make the required changes, and click **UPDATE**.

4 When prompted, click **UPDATE**.

**Deleting a CPT code**

To delete a CPT code

1 From the main menu **☰**, select **Department Admin**, and click **CPT codes**.

2 Find the CPT code you want to delete, and click the trash can icon ✂.

3 At the prompt, click **DELETE**.

**Canceling a CPT code**

To cancel a CPT code

When creating a CPT code, you can cancel it at any time.

1 When you are creating a CPT code, to cancel it, click the cancel icon ✗.

2 At the prompt, click **DISCARD CHANGES**.
Managing exam types

SonoSite Synchronicity Workflow Manager allows for multiple exam types. Different modalities and tags can be added to a single exam type.

Viewing the exam type list

To view the exam type list

1. From the main menu, select Department Admin, and click Exam Types.
2. To reorder the list of exam types alphabetically (either a to z or z to a), click one of the heading titles (such as Exam type names or Exam type description).

Creating a new exam type

To create a new exam type

1. From the main menu, select Department Admin, and click Exam Types.
2. Click New.
3. In the Exam Type Name field, type the name of the exam type.
4. In the Exam Type Description field, type a description of the exam type.
5. In the Exam name from modality field, type the modality and click the add icon. One or more modalities may be added.
6. In the Tags for exam type field, type the tag and click the add icon. One or more tags may be added.
7. Click SAVE.
Modifying an exam type

To modify an exam type

1. From the main menu ☐, select **Department Admin**, and click **Exam Types**.
2. Under the **Action** column of the exam type, click the drop-down arrow, and select **View/Modify**.

   **Notes**
   - All fields can be modified except for **Exam Type Name**.
   - Any changes you make will not impact studies that are in progress; the changes only pertain to new studies.
3. Make the required changes, and click **MODIFY**.

Disabling custom exam types

Although SonoSite Synchronicity Workflow Manager provides a set of default exam types that cannot be disabled or deleted, administrators can disable or delete any custom exam type.

To disable a custom exam type

1. From the main menu ☐, select **Department Admin**, and click **Exam Types**.
2. Under the **Action** column, click the drop-down arrow and select **Disable**.
3. When prompted, click **YES**.

Deleting custom exam types

To delete a custom exam

1. From the **Exam Type** list, search for the exam type you want to delete.
2. Under **Action** column, click the drop-down arrow, and select **Delete**.
3. When prompted, click **YES**.
Managing a credentialing program

Overview

SonoSite Synchronicity Workflow Manager offers your organization a way to create credentialing programs for students: Either new residents or clinicians needing to be re-credentialed can be part of the program.

Think of a credentialing program as a course with a start and finish date. The curriculum is made up of the required worksheets.

A credentialing program is administered by:

- The Department Administrator who creates and maintains the program
- Attending clinicians who sign off on the studies (and determine if the study is sent to EMR),
- QA reviewers who evaluate and assign credits to each study.

The Department Administrator role

For Department Administrators, SonoSite Synchronicity Workflow Manager lets you:

- Create and manage credentialing programs within your organization
- View programs at either a high-level or detailed view
- Track student credits
- Look at a program to see how quickly students are going through it; for example, who’s finished, who’s on time, and who’s late
- Through reports, look at how students are progressing through the different programs

For students, SonoSite Synchronicity Workflow Manager lets them see their scores in a program and how many worksheets they have left to complete. For more information, refer to the SonoSite Synchronicity Workflow Manager Clinical User Guide.
Credentialing program process (as an Administrator)

1. Administrator creates a new program, adding start/end dates, worksheets, students, QA reviewers, and attending clinicians.

2. When finished creating the program, the Administrator publishes it, so it automatically begins on the indicated start date.

3. Student performs study & decides whether or not to submit to EMR; attending signs and approves or declines submission to EMR; QA reviews and gives credit/no credit.

4. For a consolidated view, Administrator can track the list of department programs and sort the list according to criteria.*

5. The program concludes on the indicated end date.

* The default view of the program list shows those programs that are not started, in progress, and unpublished. You can also check the Completed check box to show completed programs.

Creating a new program

Before creating a new credentialing program, it’s a good idea to first create the user groups for your department; that way, you can add the appropriate group of users (such as second-year students or QA reviewers) instead of adding each user to the program individually.

**Note**

Every user in the user group must have the same role assigned to them as the user group being added to the program.
To create a new program

When creating and editing program, you can save the program by clicking the save icon 保存. If you haven’t completed the required fields, you are prompted to do so.

You can also click the cancel icon 取消 to discard your changes and exit the program page.

1. From the main menu 选择, select Department Admin, and click Credentialing.
2. Click New.
3. Under Program Details, in the Name field, type a name for the program.
4. From the Start date drop-down calendar, select the program start date.
5. From the End date drop-down calendar, select the program end date.
   
   Note: The End date field can be left blank for open-ended programs.

6. Under Worksheets, in the Select worksheet drop-down list box, select the worksheet type; click Add to select more worksheet types.
7. In the Credit field, type the required number of worksheets for each worksheet type.
8. Under Roles, in the Students drop-down list box, click to select one or more students and/or user groups.
9. In the Attending drop-down list box, click to select one or more attending clinicians and/or user groups.
   
   Note: The Attending role is optional in a program.
10. In the QA/Reviewer drop-down list box, click to select one or more quality assurance reviewers and/or user groups.
11. Click FINISH.
12. Do one of the following:
   
   ‣ If you are finished and ready to add the program to the program list, select Publish, and then click SUBMIT.
   
   ‣ If you are not done making changes to the program (and are not yet ready to publish the program to the program list), select Unpublish, and then click SUBMIT.
Unpublish saves the program to the list, but it will only be viewable to you, as the Administrator. You can go back later and publish the program when you’re ready for users to view it.

**Editing a program**

You can only edit programs that are not complete.

**To edit a program**

1. From the main menu, select **Department Admin**, and click **Credentialing**.
2. Click the name of the program you want to edit.
3. Make the required changes, and click **FINISH**.
4. Do one of the following:
   a. If you are finished and ready to add the program to the program list, select **Publish**, and click **SUBMIT**.
   b. If you are not done making changes to the program (and are not yet ready to publish the program to the program list), select **Unpublish**, and then click **SUBMIT**.

Unpublish saves the program to the list, but it will only be viewable to you, as the Administrator. You can go back later and publish the program when you’re ready for users to view it.

**Previewing a program**

**To preview a program**

1. From the main menu, select **Department Admin**, and click **Credentialing**.
2. From the program list, click the name of the program you want to preview.

**Disabling and enabling programs**

**To disable a program**

 mê From the program study list, select the program, and click **Disable**.

**To enable a previously disabled program**

 mê From the program study list, select the program, and click the disable icon next to the program name.

You can enable programs:

 mê Before the start date
After the start date, but before end date
That are still in draft form

Deleting a program

To delete a program

1. From the main menu, select Department Admin, and click Credentialing.

2. Select the check box of the program you want to delete.

3. Click Delete.
Reporting

Overview

The reporting feature in SonoSite Synchronicity Workflow Manager lets you view two kinds of reports:

- **Administrative reports** give an overview of departmental operational trends, such as the number of studies performed, percentages of those studies submitted to EMR, and the number of studies that are taking too long to work their way through the SonoSite Synchronicity Workflow Manager.
- **Educational reports** provide a summary of student activity for a credentialing program. This type of report includes the number of worksheets completed, program due date, percent of credits completed, image quality of studies, accuracy of interpretation, and gold standard percentage.

Viewing administrative reports

To view and sort an administrative report

1. To view a list of administrative reports, from the main menu, select Report.
2. In the upper right corner of the screen, click View administrative reports.
3. Select the type of report you want to view from the Report by drop-down list box.
   - **Time** plots the number of worksheets entered each month.
   - **Worksheet** plots the number of each type of worksheet.
   - **Provider** plots the number of worksheets entered by each user.
   - **Exam Type** plots the number of worksheets that use each exam type.

To apply activity indicators to an administrative report

1. Select Submitted to EMR to overlay the number of worksheets that have been submitted to EMR for billing.
2 Select >48hrs to overlay the number of studies that are taking too long to work their way through the SonoSite Synchronicity Workflow Manager.

**Note** If you have changed the ageout threshold setting from its default 48-hour value, the checkbox label will reflect that change. For more information about configuring administrative report settings, see “Configuring administrative report settings” on page 8-6.

3 Select QA Archived to overlay the number of worksheets that have been approved by QA.

**To filter an administrative report**

You can apply a number of filters to customize your administrative reports. The following filter options are available in the Refine by pane on the left side of the Administrative reports screen.

1 Use Date range to specify the timeframe for your report. You have two ways of selecting your date range:
   - Select any start and ending dates by either:
     - Typing the desired start and end dates for your report into the date range field using the format YYYY-MM-DD.
     - Clicking in the date range field, then select your report’s start date in the calendar on the left, the end date from the calendar on the right; then click Apply.
   - Select a period of time by clicking Slider, then moving the slider button along the timeline to adjust the amount of historical data you want to include. For example, move the slider to 6 months if you want to see data from six months ago up to today. In this mode, you can click Custom to switch back to using the calendar view.

2 Use Worksheets to specify which worksheets you want included in your report by clicking in the Worksheets field and selecting each worksheet you want to include.

3 Use Provider to specify which people you want included in your report by clicking in the Provider field and selecting each person you want to include.

4 Use Exam types to specify which exam types you want included in your report by clicking in the Exam types field and selecting each exam type you want to include.

5 Use Study type to specify whether clinical studies or educational studies should be included in your report by selecting Clinical or Educational.

Your report will provide updated information about any filter settings below the graph, indicating what date range, providers, study types, worksheets, and exam types are included in the report.

6 If you want to save your filter settings for future use:
a Click **SAVE**, enter a unique filter name in the **Save filter** dialog

b Click **ADD** to save it.

Your new saved filter will appear in the **Refine by** drop-down list.

**Notes**

- You must use a unique name for your saved filter; entering the name of an existing filter will result in an error.
- If you want to rename a filter, first delete the old filter, then create and save a new version of the filter.

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**Viewing educational reports**

**To view and sort an educational report**

1. To view a list of educational reports, from the main menu, select **Report**.

2. To view the details of a specific program, click the desired program’s **VIEW DETAILS** button. From here, you can see the:

   - Program due date
   - Number, type, quality, and percentage of worksheets completed
   - Student progress for each type of worksheet

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**Scheduling automatic email notifications**

You can schedule SonoSite Synchronicity Workflow Manager to automatically send email notifications of educational reports.

**To schedule automatic email notifications**

1. From the **Educational Reports** page, click the desired program’s **Email notifications** button. It turns green and shows **Yes**.

2. When prompted, select a notification frequency.

   - **Weekly once Monday 8am** starts on the next Monday at 8:00 AM.
   - **Every two weeks Monday 8am** starts on the first and third Mondays at 8:00 AM.
   - **Monthly once Monday 8am** starts on the first Monday of every month at 8:00 AM.

3. Click **Done**.
To change the frequency of email notifications

- From the report page, click the **edit** button under the desired program’s **Email notifications** button, then select the notification frequency you prefer.

To turn off automatic email notifications

- From the report page, click the **Email notifications** button to the left. The green color disappears and shows **No**.

**Sending report summaries through email**

You can choose to have a summary of your activity sent to your email.

**To email a specific report**

1. From the report page, click the more icon **…** at the right side of the desired report.
2. Click **Email report**.

A copy of the report will be sent to your email address.

**Note** Sending an email report does not affect your scheduled email notifications for educational reports.
Configuring IT settings

Configuring login security

Users must log in with the system-generated password within 72 hours of it being generated to change their password, or they will be redirected to request a new system-generated password.

To configure login security

1. From the dashboard, select System Admin from the main menu, and click Password Configuration.

2. Under Password Complexity, select a minimum of three password complexity requirements.

3. In the Password Minimum Length field, type the minimum password length requirement.

4. In the User defined password expires in (days) field, type the number of days before a password expires.

5. In the History of password reuse restriction count field, type the number of times users are allowed to reuse a password.

6. In the Account Lock-Out threshold (unsuccessful attempts) field, type the number of times users are allowed to attempt entering a password unsuccessfully before they are locked out of the system.

7. Click Save.

8. To reset the login security configuration, click one of the following:
   
   - Reset to change back to the previously saved settings.
   
   - Reset To Default to change back to the default settings.
Configuring directory and SMTP server connections

Configuring the connection to the LDAP directory

LDAP accounts are maintained by the System Administrator. If the System Administrator deletes or deactivates an account, then the user will no longer have access to SonoSite Synchronicity Workflow Manager.

To configure the connection to the LDAP directory

1. From the dashboard, select System Admin from the main menu, and click LDAP Configuration.
2. In the Type drop-down list box, select the directory type.
3. In the Remote Server field, type the address of the remote server.
4. In the Access Groups field, type the groups that should have access.
5. In the Search Root field, type the path to the system root directory.
6. In the LDAP Port field, type the port number of the LDAP directory.
7. To use Secure Sockets Layer (SSL)/Transport Layer Security (TLS) technology to encrypt your LDAP traffic that is transmitted between SonoSite Synchronicity Workflow Manager and your LDAP directory, select the Secured checkbox.
8. In the User DN field, type the user domain name.
9. In the Manager DN field, type the manager domain name.
10. In the Manager Password field, type the manager’s password.
11. In the IT Admin User Name field, type the name of the System Administrator.
12. Click Test Connection.

Note: You will receive a message if the connection succeeds or fails. If the connection fails, it may be because the active directory is down, data entered is incorrect or there is a network issue.

13. When prompted, click Ok.
14. If the connection fails, check to make sure all the fields are correct, or try again later to see if the server was down and couldn’t connect.
15 If the connection succeeds, when prompted, click Ok.

16 Click SAVE & SYNCHRONIZE.

**Configuring the SMTP server**

**To configure the SMTP server**

1 From the dashboard, select System Admin from the main menu , and click SMTP Configuration.

2 In the SMTP Server field, type the server address.

3 In the SMTP Port field, type the port number.

4 In the From Address field, type the address (for example, DoNotReply@TBD.com).

5 From the Enable Authentication drop-down list box, select Yes or No.

6 From the Enable SSL radio buttons, select Yes or No.

7 In the Authenticate Username field, type the authenticated SMTP username.

8 In the Authenticate Password field, type authenticated SMTP password.

9 Click Save.

10 To revert to the previously saved data, click Reset.

**Configuring EMR submissions**

You can send study reports by either HL7 or EDMS mode.

- In HL7 mode, you have the option of embedding a PDF with the study reports. SonoSite Synchronicity Workflow Manager sends the department study reports in HL7 message format through the selected channel.
- In EDMS mode, SonoSite Synchronicity Workflow Manager submits the department study reports in PDF format only.

**To configure EMR submissions**

1 From the dashboard, select System Admin from the main menu , and click EMR Configuration.

2 From the Message Mode drop-down list box, select one of the following:

- HL7
a Select the Embedded PDF check box if you would like to send an embedded PDF with the HL7 message. If not, leave the box unchecked.

b From the Channel drop-down list box, select a channel.

c In the Receiving Facility field, type the name of the receiving facility.

d In the Host Name field, type the name of the server IP address or host name.

e In the Port field, type the port number.

f In the User Name field, type the name of the facility’s IT Administrator.

g In the Password field, type the password of the facility’s IT Administrator.

h In the Share Path field, type the path for outbound mail.

i In the Receiving Facility field, type the name of the receiving facility.

j In the Host Name field, type the name of the server connected to the network.

k In the Receiving Application field, type the name of the receiving application.

l From the Date Format list box, select the date format for EMR submissions.

m Click SAVE.

EDMS

a From the Channel drop-down list box, select a channel.

Note If you select NETWORKSHARE as the channel, there are a smaller subset of the fields mentioned below to complete.

b In the Host Name field, type the name of the server connected to the network.

c In the Port field, type the port number.

d In the User Name field, type the name of the System Administrator.

e In the Password field, type the password of the System Administrator.

f In the Share Path field, type the path for outbound mail.

g From the Date Format list box, select the date format for EMR submissions.

h Click SAVE.

3 To revert to the previously saved data, click Reset.

Configuring DICOM server connections

To configure connections to the DICOM server

1 From the dashboard, select System Admin from the main menu , and click DICOM Server Configuration.
2  For each configuration, set the following fields:

- **Configuration name** is a unique network name for the configuration.
- **Entity** refers to the application entity (typically, a client) that uses the DICOM network service.
- **Called AE Title** refers to the DICOM Application Entity Title that was called.
- **IP Address** is the unique identifier to send data to the network.
- **Port** is the device port number. IP port 104 is typically assigned for DICOM.
- **Calling AE Title** refers to the DICOM Application Entity Title that is calling.

3  Click **SAVE**.

### Configuring system settings

#### Configuring the DICOM auto-archive frequency

To configure the DICOM auto-archive frequency

1  From the dashboard, select **System Admin** from the main menu, and click **Settings**.

2  From the **Dicom Auto-Archive Frequency** drop-down list, select the length of time between automatic archives.

3  Click **SAVE**.

#### Configuring system user notifications

To configure the system user notification

1  From the dashboard, select **System Admin** from the main menu, and click **Settings**.

2  Next to **System User Notification**, click **Enable**.

3  In the text field, enter the message you want to appear whenever a user signs in to the system.

4  Click **SAVE**.
Configuring administrative report settings

Department administrators can customize the following settings for their department’s unique requirements.

Configuring the study ageout threshold

Department administrators can have SonoSite Synchronicity Workflow Manager automatically flag studies that are taking too long to work their way through the system. Each department can specify how much time they want to allow before the system flags a study as aging.

To configure the study ageout threshold

1. From the dashboard, select Department Admin from the main menu ☰, and click Settings.
2. In the Study ageout threshold (In hours) field, enter the amount of time for a study to be flagged as aging.

   Note: The default ageout threshold is 48 hours; changing this value will be reflected in the Administrative reports screen’s >XXhrs checkbox (where XX is the new value you have entered). For more information about using this activity overlay in an administrative report, see “Viewing administrative reports” on page 7-1.

3. Click SAVE.

Configuring accession number settings

For departments that use an order-based workflow where accession numbers must be associated with each study, department administrators can have SonoSite Synchronicity Workflow Manager remind users who attempt to submit a study to EMR without an accession number to first provide the accession number.

To configure the accession number setting

1. From the dashboard, select Department Admin from the main menu ☰, and click Settings.
2. Use Order preference to specify whether studies in your department require an accession number when they are submitted to the EMR:
   - Select Yes if your department uses an order-based workflow,
   - Select No if your department uses an encounter-based workflow.
3. Click SAVE.
Data backup

- Perform data backups regularly as part of your organization’s disaster recovery plan. Doing so will help ensure proper system operation and data integrity. FUJIFILM SonoSite recommends that you allow only the authorized system administrator to back up and restore ePHI, audit log, and system configurable data.
- Keep data backups on modern types of media to ensure data is not lost due to technology obsolescence.

Security and privacy

- The security and privacy-related configurable controls in SonoSite Synchronicity Workflow Manager are:
  - User roles and responsibilities
  - Automatic user log off
  - User authorization and authentication
  - Data backup and recovery
  - Data encryption (at rest and in transit)
- System and department administrators should follow the suggested technical and physical safeguards listed below, as well as the detailed HIPAA guidelines to ensure HIPAA compliance:
  - **Room Access Control**: Local procedures must be put in place to limit physical access to medical equipment, to prevent accidental, casual, or deliberate contact by unauthorized individuals.
  - **System Access Controls**: Recommended system access controls are listed below:
    - Create unique clinical user accounts for each operator.
    - To remotely access the system, go through your organization’s defined access control point.
Audit Controls: Review audit logs by your organization’s chosen log-viewing application. FUJIFILM SonoSite recommends that the audit log viewing application does the following:

- Limits read-only access to only the system administrator
- Maintains audit log events for a minimum of 30 days
- Allows for the setup of configurable external alerts of system violations
- Allows external alerts to be stored locally or sent to a system-monitoring application
- Allows audit logs to be searched for keywords and sorted by date and time
- Protects audit logs to ensure integrity of logs

Removable media handling: Removable media that contains images or other medical information must be stored in a secure area that is not accessible by unauthorized individuals.

Transmission Security: Transmitted data should be encrypted with the use of certificates, when possible, to ensure the confidentiality and integrity of clinical data.

Data Integrity: Cryptographic methods should be used at all times to ensure the integrity of personal data. When possible, perform integrity checks to identify unauthorized changes in personal data.

Data Encryption: Data at rest should be encrypted at the disk level as well as the database level with a valid FIPS 140-2 compliant encryption method. Encryption keys should be kept secured and maintained only by system administrators.

System Hardening: The application and database hosting server(s) should be hardened according to the NIST 800-123 server security controls.
## Glossary

For ultrasound terms not included in this glossary, refer to *Recommended Ultrasound Terminology, Third Edition*, published in 2011 by the American Institute of Ultrasound in Medicine (AIUM).

### CPT code
CPT (Current Procedural Terminology) is a medical code set that is used to report medical, surgical, and diagnostic procedures and services to entities such as physicians, health insurance companies and accreditation organizations.

### Credentialing
Credentialing is the process of establishing the qualifications of licensed medical professionals and assessing their background and legitimacy. Many health care institutions and provider networks conduct their own credentialing, generally through a credentialing specialist or electronic service, with review by a credentialing committee.

### Department administrator
A department administrator is a person whose job involves helping to organize and supervise the way that departments within an organization or institution function.

### DICOM
DICOM (Digital Imaging and Communications in Medicine) is a standard for handling, storing, printing, and transmitting information in medical imaging. It includes a file format definition and a network communications protocol.

### EMR
An EMR (Electronic Medical Record) is a digital version of the traditional paper-based medical record for an individual. The EMR represents a medical record within a single facility, such as a clinic or a hospital.

### ePHI
ePHI (Electronic Protected Health Information) refers to any protected health information that is covered under HIPAA (Health Insurance Portability and Accountability Act of 1996) security regulations and is produced, saved, transferred, or received in an electronic form.

### FIPS 140-2
FIPS (Federal Information Processing Standard) Publication 140-2, is a U.S. government computer security standard used to approve cryptographic modules.

### HIPAA
HIPAA (Health Insurance Portability and Accountability Act of 1996) is United States legislation that provides data privacy and security provisions for safeguarding medical information.

### HL7
HL7 (Health Level-7) refers to a set of international standards for transfer of clinical and administrative data between software applications used by various healthcare providers.
**LDAP directory**

LDAP (Lightweight Directory Access Protocol) is a software protocol for enabling anyone to locate organizations, individuals, and other resources such as files and devices in a network, whether on the public Internet or on a corporate intranet.

**NIST**

NIST (National Institute of Standards and Technology) is a unit of the U.S. Commerce Department. Formerly known as the National Bureau of Standards, NIST promotes and maintains measurement standards.

**SMTP server**

SMTP (Simple Mail Transfer Protocol) is a protocol for sending e-mail messages between servers.

**System administrator**

A system administrator is a person who is responsible for the upkeep, configuration, and reliable operation of computer systems, especially multi-user computers, such as servers.
Index

Accession number
  requirement settings 8-6
Administrative reports 7-1
Administrator
  clinical 6-1
  department A-1
  roles 1-4
  system A-2
Asia Service Center 1-2
Audit controls 9-2
Backup
  data 9-1
Calculation input 3-6
Cautions, definition 1-1
Controls
  room access 9-1
  system access 9-1
CPT codes
  adding 3-10
  canceling 4-2
  creating 4-1
  definition A-1
  deleting 4-2
  editing 4-2
  managing 4-1
  removing 3-10
  viewing the list 4-1
Credentialing programs
  definition A-1
  managing 6-1
  process 6-2
Data
  backup 9-1
  encryption 9-2
  integrity 9-2
Department
  adding users 2-2
Department administrator
  definition A-1
DICOM
  configuring settings 8-4
  definition A-1
Document conventions 1-1
EDMS
  mode 8-3
Educational reports 7-3
Email 1-2
EMR
  configuring 8-3
  definition A-1
  submissions 8-3
Encryption
  data 9-2
ePHI A-1
Europe service center 1-2
Exam types
  adding 3-10
  creating 5-1
  deleting 5-2
  disabling 5-2
  managing 5-1
  modifying 5-2
  removing 3-10
  viewing the list 5-1
Fax 1-2
FIPS A-1
FUJIFILM SonoSite
  web address 1-2
FUJIFILM SonoSite Professional Services 3-1
Help
  getting 1-2
HIPAA 1-2, A-1
HL7
  configuring external interface 8-4
  definition A-1
  mode 8-3
Input field 3-6
IT Network 9-1
IT settings
  configuring 8-1
LDAP directory 2-1, A-2
  configuring 8-2
# Index

Login Security
- configuring 8-1

Login security
- Account lock-out threshold 8-1

NIST A-2
- note, definition 1-1
- notifications 7-3

Order preference
- accession number 8-6

Password
- complexity 8-1
- configuration 8-1
- expiration 8-1
- minimum length 8-1
- reuse restriction count 8-1

Phone number
- outside U.S. or Canada 1-2
- U.S. and Canada 1-2

Programs
- creating 6-2
- deleting 6-5
- disabling 6-4
- editing 6-4
- enabling 6-4
- previewing 6-4, 6-4

QA worksheets
- building 3-12
- previewing 3-12
- resetting to ACEP version 3-13
- updating 3-12

Questions
- adding 3-4
- conditional 3-8
- deleting 3-4
- editing 3-4
- matrix scale 3-7
- matrix scale lateral 3-8
- moving 3-4
- multiple choice check box 3-5
- multiple choice drop-down 3-5
- multiple choice radio button 3-5
- text area 3-9
- text only 3-6

Removable media
- handling 9-2

Reports
- applying activity indicators 7-1
- configuring settings 8-6
- filtering 7-2
- types of 7-1
- viewing administrative 7-1
- viewing educational 7-3
- resetting studies 2-4

Room access control 9-1

Sections
- adding 3-3
- deleting 3-3
- editing 3-3
- moving 3-3

Security
- transmission 9-2
- Security and privacy 9-1

SMTP server A-2
- configuring 8-3

SonoSite Synchronicity Workflow Manager
- overview 1-3

studies
- resetting to unassigned 2-4

System access controls 9-1

System administrator A-2

System hardening 9-2

System user notifications
- configuring 8-5

Terminology
- ultrasound A-1

Transmission security 9-2

Ultrasound
- terminology A-1

unassigning studies 2-4

User groups
- creating 2-4
- deleting 2-4
- editing 2-4
- managing 2-1, 2-3
- viewing the list 2-3

user guide
conventions used 1-1
User notifications
  configuring 8-5
User profiles
  adding to a department 2-2
  creating a new 2-1
  deactivating 2-3
  view the list 2-1
Users
  managing 2-1
warnings, definition 1-1
Worksheets
  building 3-1
  building custom 3-1
  building QA 3-1
  creating from a template 3-2
  creating from existing 3-3
  deleting 3-11
  unpublishing 3-11
  updating QA worksheet 3-12
  viewing a list of 3-1