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About this Book

Audience

This book is intended for case investigators, auditors, and those responsible for financial reporting and fraud prevention.

About the Displays in this Book

Because SAS Enterprise Case Management is a highly configurable case management system, the displays shown in this book might differ from those in the application at your site. For example, selection lists (drop-down lists, radio buttons, and check boxes) within the application are configured through user-defined reference tables. Therefore, the displays shown in this user’s guide are for demonstration purposes only. For more information about configuring and customizing SAS Enterprise Case Management, see the SAS Enterprise Case Management: Administrator’s Guide.
What’s New in SAS Enterprise Case Management 6.2

Overview

SAS Enterprise Case Management has a number of new features related to searches and subjects.

New Features

SAS Enterprise Case Management has the following new features:

• Users can search across all content fields from a single search box, displayed in the application header.
• All searches are captured by the central audit service and available for review.
• Relationship details are associated with specific subjects.
• To-do lists are available for subjects.
Accessibility

For information about the accessibility of this product, see Accessibility Features of SAS Enterprise Case Management at support.sas.com.
What's New in SAS Enterprise Case Management 6.2
What is SAS Enterprise Case Management?

SAS Enterprise Case Management enables you to investigate incidents, attach documentation, and record exposure and losses for any type of financial crime that might pose a risk to your organization. You can use it to provide information for financial reporting, such as fraud losses, and as the primary resource for filing regulatory reports to government agencies. With the SAS Enterprise Case Management web application, you can perform the following tasks:

- search, create, and view subjects, incidents, cases, reports, and e-files
- create and manage case and subject task lists with reminders
- receive a notification when updates are made to specific cases, incidents, subjects, reports, or e-files
- view the audit trail of any object
- manage regulatory reporting to government agencies (e-filing)
- perform sophisticated case network analysis on a subject

Terminology

SAS Enterprise Case Management is customizable, which allows it to fit the business needs of a wide range of industries. Because of this level of customization, the terminology you use may be different from what is used in the SAS Enterprise Case Management documentation. The following table provides a list of some of the more commonly used terms found throughout the documentation, along with possible alternatives.
<table>
<thead>
<tr>
<th>Term in Documentation</th>
<th>Alternative Terms</th>
</tr>
</thead>
<tbody>
<tr>
<td>Case</td>
<td>Work Item, Project</td>
</tr>
<tr>
<td>Incident</td>
<td>Claim, Alert</td>
</tr>
<tr>
<td>Subject</td>
<td>Party, Participant, Household, Account, Drug</td>
</tr>
</tbody>
</table>

**Documentation on the Web**


User ID: sas

Password: ECMuser123
Creating New Cases

You can create new cases by selecting New Case from the Cases drop-down menu or when you edit an incident.

To create a new case:

1. Select the New Case button. The New Case dialog box appears.
2. Select the necessary information for the case and click **OK** to create the case.

The case is then opened for editing. You can continue to add information about this case.

3. When you are finished, select **Create** to create and save the case. The new case is then displayed in the list of available cases on the **Results** panel of the Search Cases window.

4. Click **Close** to leave the window.

**Note:** If you did not save the case before selecting **Create**, the Save Changes dialog box appears. Click **Yes** to save the case. Click **No** to not save the case and return to the previous window, or click **Cancel** to continue entering information about the case.
Searching Cases

Search Options

There are two options for searching entities in SAS Enterprise Case Management. You can search broadly across entities by using the search box found in the banner at the top of the window. You can also search within a specific entity by using a search panel.

Note: A search panel is available for all entities from their respective windows. However, the search box results contain only cases, incidents, subjects, reports, and comments.

Search Box

For information about the search box, see Chapter 7, “Global Search,” on page 37.

Search Cases Panel

The Search Cases panel enables you to search for and quickly filter existing cases in SAS Enterprise Case Management. The search results are then shown in the Results panel.

Select Search from the Cases drop-down menu to access the search functionality. The Search Cases panel is closed by default. You can access and open the Search Cases panel by clicking it.

After you have opened the Search Cases panel, you can then enter information about the case that you are searching for. To search for a case:

1. Enter information in the text fields and select available case information from the drop-down boxes. For example, you can select Case Status, which is the current status based on where the case is in the workflow, or the case Type.

   Note: By default, My Subscriptions is unselected. Select it to include only cases that you are subscribed to receive notifications on in your search results.

2. Click Search. Any available cases that meet the search criteria that you entered are displayed in the Results panel.

3. You can also reset the search fields by clicking Reset prior to clicking Search. This sets the search fields to the values that were last used.

4. Click Clear to clear all search fields and results.

5. After you have searched for the cases that you need, you can click on Search Cases to reduce the panel.

Results Panel

The Results panel displays a list of cases for investigation. By default, the Results panel shows the cases that are available to you. You can use the search functionality to modify the list of available cases that are displayed here. You can also filter the list of cases by selecting criteria from the available drop-down boxes on the Results panel. For example,
you can select a variable from the **Case Status** (the current status based on where the case is in the workflow) or the case **Type** drop-down boxes. You can also sort on a column in the **Results** panel by selecting the heading label for a column.

*Note:* This results functionality can also be applied to incidents, subjects, reports, and e-files from their respective windows.

If you have permission to edit cases, you can open a case by selecting it from the **Results** panel. You can then edit information about the case. In addition to selecting a case to open, you can perform tasks for a case by selecting **Actions** (▼). This opens the Actions menu, which contains the following options for a case.

**View**

enables you to view the selected case. The case is opened and you can view the **Action Items** and **Case Information** for the case.

**Edit**

enables you to edit the selected case. The case is opened and you can edit items in the **Action Items** and **Case Information** panels for the case.

**Lock** and **Unlock**

enable you to control editing access to the case. When you select **Lock**, your name then appears in the Locked By column in the **Results** panel, and you have exclusive editing access to the case. Selecting **Unlock** enables others to have editing access to the case.

*Note:* A case is locked every time it is edited, to prevent the case from being worked on concurrently by another user. To unlock a case from the case edit page, click

**Set Primary Owner**

if available for selection, enables you to reassign the selected case to another user.

**Manage Subscriptions**

enables you to sign up to receive notifications when events occur matching the subscription options that you select.

**Attachments**

enables you to add attachments to the selected case.

**Preview Case Report**

displays the entire case, including related incidents and subjects, comments, and a list of attachments, in a printable format. For more information, see “Case Reports” on page 12.

**Generate Case Report**

generates a case report to view or print later and sends you a message when the report is complete. Click select **Preferences**, and access the **General** panel to edit your notification preferences. To view or print the generated report, click **Generated Reports**. For more information, see “Case Reports” on page 12.
Viewing Cases

**Viewing Case Information**

In SAS Enterprise Case Management, you can review cases in display-only mode by selecting View from the Actions menu on the Results panel for cases. When you select View, the selected case opens in display-only mode. You cannot make changes to the case while you are viewing the case. The case and the current status for the case are displayed. On this page, you can view the related action items and case information for the case. The Action Items panel displays the activity status information for the case. The Case Information panel might display the following information for a case:

**Case Details**
- displays the details for a case.

**Incidents**
- displays the incidents related to the case.

**Subjects**
- displays the subjects related to the case.

**Comments**
- displays the comments related to the case.

**Associated Cases**
- displays a list of any other cases that are related to this case.

**Financial Summary**
- displays the list of financial items associated with this case and a summary of the financial amounts.

**Regulatory Reports**
- displays a list of regulatory reports associated with this case.

**Case History**
- displays the activity history for the case. The Type column includes the actions that were taken on the case. Save indicates that the case was saved after an action.

The Description column provides details about the action. Version N refers to the version number that is assigned after a save. When a case is created, it is Version 1. Click Version 1 to see the original fields entered for the case.
Click Version N to open the Case Version Comparison dialog box. All subsequent changes are compared to the previous version. For example, Version 4 is compared to Version 3. Blank fields indicate no changes. Click the arrows in the top right corner of the dialog box to scroll to older or newer versions. Close the view by clicking the X.

Custom fields appear as standard fields in the version history, with the field in a one-to-one relationship between the current and previous version. However, custom tables display the full table view from version to version. Any changes from Version 3 to Version 4 show the Version 3 table above the Version 4 table.

Note: When a case’s history is viewed, only the subjects of comments are displayed.

Adding Attachments to a Case

Although you cannot make changes to the case while you are viewing it, you can add attachments to the case. To add an attachment, click 
. This opens the Attachments dialog box, enabling you to add and view attachments. For more information, see “Adding Attachments” on page 39.

Editing Cases

Editing the Case Task Transition

In SAS Enterprise Case Management, you can edit a case by selecting Edit from the Actions menu (≡) on the Results panel for cases. When you select Edit, the selected case opens. You can then make any needed changes to the case. The case and the case status for the case are displayed. On this page, you can update the case status on the Action Items panel. The Action Items panel displays the task transition information for the case. To update the status for a task, select a transition option from the Task Transition drop-down box.

From the Action Items panel, you can also select the following actions:

- ![Task Transition Icon] terminates the workflow of a case.
- ![Task Transition Icon] reactivates a case’s workflow when an available workflow option is selected.

Editing Case Information

You can update information for a case on the Case Information panel. The Case Information panel contains various items that you can modify. Click to find and correct spelling errors in a field. You can check spelling anywhere the spell check icon appears. The following information can be edited for a case:

Case Details enables you to edit the details for a case.

Incidents displays the incidents related to the case. You can also add an existing incident to the case by clicking . This opens the Add incident to case dialog box. Enter the search
criteria, and then click **Search**. Select an incident from the **Available incidents** section, and then click **Add**. There are options that automatically link all the subjects or financial items from the incident that you have selected to the case. If you clear the boxes, you can link subjects or financial items to the case individually.

### Subjects

Displays the subjects related to the case. You can also add an existing subject to the case by clicking **Add**. This opens the Add subject to case dialog box. Enter the search criteria, and then click **Search**. Select a subject from the **Available subjects** section, and then click **Add**.

Define the subject's relationship to the case.

To add a new subject and information associated with it, click **Add**. This opens the New Subject dialog box. The subject that you add is automatically associated with this case.
Comments

displays the comments related to the case. You can also add comments by typing in the
comment box and clicking Post. This will automatically save the comment.

You can also add an attachment to the comment by clicking Attach File.

Note: This is different from adding a general attachment, as this attachment is
linked directly to the comment it is associated with.

Note: When using Internet Explorer 9, only one file can be attached at a time.

Associated Cases

displays a list of other cases that are related to the case. You can also associate
another case by clicking . This opens the Add Associated Cases dialog box, where
you can select a case, and then click Add.

Financial Summary

displays the list of financial items associated with the case and a summary of the
financial amounts. When financial items are added, edited, or deleted from the
Financial Items table, the summary information is automatically recomputed.

To add a financial item, click . Identify the type of financial item, the amount and
any other required information. Indicate whether this financial item should be
included in the financial summary. The item is now listed in the financial summary.
Delete financial items by clicking .

Note: Financial items that are added or edited at the incident level after the incident
is added to a case are not displayed or summarized at the case level. If an
incident is removed from a case, the financial items that were added to the case
from that incident will remain.

Regulatory Reports

displays the reports related to the case. You can also add a report to the case by
clicking . For more information on adding a report to a case, see “Creating New
Reports” on page 29.

Case History

displays the activity history for the case.
Adding a Task to the Task List

You can create a list of tasks for a case. To create a task, click and fill in Task Name, Due date, and Reminder date/time (optional), where you can specify the date and time that you would like to receive a reminder notification. The person who is logged in is the task owner and receives a system-generated notification on the reminder date.

Click to delete completed tasks.

Note: Each time you click on a URL in an e-mail alert notification, a new tab is opened in a browser window. Make sure that you close the tabs after you log off from SAS Enterprise Case Management.

To set your preferences for notifications, click at the top right corner of the application window, and select Preferences. Options on the General panel enable you to set how you want notifications sent and how you want your e-mails formatted.

Managing Subscriptions

You can sign up to receive notifications when specific events occur to this case by selecting Manage Subscriptions from the Actions menu ( ). If you are already in a case, click at the top of the window. The Events Subscriptions dialog box appears. Select the events you would like to be notified about by clicking the associated check box, and then click OK.

Note: If you want to use the subscription feature, you must have that capability as part of your user or group privileges.

The following are the options for event subscriptions:

- **Attachments** specifies a notification when attachments are added or deleted.

- **Comments** specifies a notification when a comment is added, edited, or deleted.

- **Link** specifies a notification when a case, incident, subject, report, or financial item is added to or removed from a case.

- **Save** specifies a notification when the entity is saved, regardless of the action performed.

- **Primary Owner** specifies a notification when a primary owner of a case is set or changed.

- **Unlock** specifies a notification when a case is unlocked.

- **Workflow** specifies a notification when a case workflow is activated or terminated, and the status of a workflow has changed.
Adding Attachments to a Case

In addition to editing the case, you can add attachments to the case by clicking \( \text{Add Attachments} \). This opens the Attachments dialog box, enabling you to add and view attachments. For more information, see “Adding Attachments” on page 39.

Searching the Web for Related Information

When you are editing a case, you can access your web browser by clicking \( \text{Search Web} \). This opens your web browser, where you can search for information that is related to the case.

Saving the Edited Case

When you are finished editing the case, click \( \text{Save} \) to save the changes that you have made. The case is updated with the message **Case saved successfully**.

Click \( \text{Back} \) to go back to the list of available cases.

---

Case Reports

Preview Case Reports

You can preview a case report before you print it. In the **Results** panel, select **Preview Case Report** from the Actions menu (\( \text{Preview} \)) next to a case. To preview a case report from an opened case, click \( \text{Preview} \) and then select **Preview Case Report**.

A case report includes these items, in order:

1. general case information, including **Action Items**, **Case Information** (split out by tab), and **Task List** panels.
2. case financial items.
3. case comments.
4. case list of attachments.
5. each case incident, including incident details (split out by tab), financial items, comments, and list of attachments.
6. each related subject, including subjects that are linked through an incident. Printed information includes subject details (split out by tab), comments, and list of attachments.

Print Case Reports

If you have already previewed a report, print it by clicking **File \( \text{Print} \)** from inside the report. Use your browser’s print features to complete the print process.

If you used **Generate Case Report** to print the report, see the following section.
Generated Case Reports

Generated reports are case reports that you can view or print later. You are sent a message when the report is complete. To generate a report, select Generate Case Report from the Actions menu (✓) next to a case. To generate a case report from an opened case, click ▼, and then select Generate Case Report.

To access the case reports, click Generated Reports from the Cases drop-down menu. You can perform the following actions:

• sort the columns in the report table by clicking the column headings.

• view a report by selecting a Report Name.

• print a generated report by clicking File ⇨ Print while viewing the report. Use your browser’s print features to complete the print process.

• delete a report by clicking the ▲ next to the report.

To edit your notification preferences, click ▼, and select Preferences. In the General panel, change your notification preferences.
Creating New Incidents

You can create new incidents by selecting New Incident from the Incident drop-down menu.

To create a new incident:

1. Click the New Incident button. The New Incident dialog box appears.

2. Select the necessary information for the incident.
3. Click OK to create the incident. The incident is then opened for you to edit. You can continue to add information about this incident.

<table>
<thead>
<tr>
<th>Incident Details</th>
<th>Account Information</th>
<th>Financial Summary</th>
<th>Incident History</th>
</tr>
</thead>
<tbody>
<tr>
<td>Incident ID:</td>
<td>2013-10128</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Source system:</td>
<td>SAS Enterprise Case Management</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Case ID:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Description:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Type:</td>
<td>Incident Report</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Category:</td>
<td>Internal</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Date created:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Date last modified:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Incident start date:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Incident end date:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Date submitted:</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Completed by:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Job title:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Phone number:</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>* Type of incident:</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>* Location of incident:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Video surveillance available:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Amount of suspicious activity ($)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Actual loss (prior to recovery) ($)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Potential loss amount ($)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Amount of recovery ($)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Incident summary:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Primary owner:</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

4. When you are finished, select to create and save the incident. The new incident is then displayed in the list of available incidents on the Results panel of the Search Incidents window.

5. Click to leave the window without saving the incident.

Note: If you did not save the incident before selecting , the Save Changes dialog box appears. Click Yes to save the incident. Click No to not save the incident and return to the previous window, or click Cancel to continue entering information about the incident.

---

### Finding Items Related to Unassigned Incidents

You can find cases and other incidents that are related to unassigned incidents. The cases and incidents might be related to the unassigned incident by a subject’s national ID number or other criteria that were established at your site. You can then link the unassigned incident to an existing case. If there are no related cases that you want to link to, you can open a new case and link related incidents to it. To link an unassigned incident to an existing case, click Search from the Incidents drop-down menu:

1. Select Related Items from the Actions menu ( ) on the Results panel. You can also select while viewing an individual incident. The Related Items dialog box appears.

2. View related cases by clicking Case IDs. Sort information for related cases by clicking on the respective column names.

3. Link the unassigned incident to a case by selecting a case and clicking OK.

Note: The options Automatically link subjects from incident to selected case and Automatically add financial items from selected incident to case are selected
by default. Clear the boxes if you want to link the subjects and financial items from the unassigned incident individually.

To view related incidents, open a new case in the Related Items dialog box and link related incidents to it:

1. View related incidents by clicking Incident IDs. Sort information for related incidents in the dialog box by clicking on the respective column names. Record the incident IDs of the related incidents that you want to link to a new case.

2. Click in the Related Items dialog box and create a case. Save the case.

3. Return to the list of unassigned incidents on the Results panel. Select an incident that you recorded earlier in the Related Items dialog box.

4. Follow the previous instructions for linking an unassigned incident to a case. The case that you entered earlier now appears as a selection in the Related Items dialog box.

5. Repeat the process until you have linked all of the unassigned incidents that you recorded earlier in the Related Items dialog box.

---

**Editing Incidents**

**Editing Incident Information**

Click to find and correct spelling errors in a field. You can check spelling anywhere the spell check icon appears.

The following information can be edited for an incident:

*Note:* An incident is locked every time it is edited, to prevent the incident from being worked on concurrently by another user. To unlock an incident from the incident edit window, click.

**Incident Details**

enables you to edit the details for an incident.

**Subjects**

displays the subjects related to the incident. You can also add an existing subject to the incident by clicking. This opens the Add subject to incident dialog box.

To add a new subject and information associated with it, click. This opens the New Subject dialog box. The subject that you add is automatically associated with this incident.

**Account Information**

enables you to enter account details and transaction information for the incident. On the Account Details panel, enter account information. The Transactions panel displays all existing transactions for the incident. Click to open the Add Transaction dialog box and create a new transaction. On the Transactions panel, the Actions menu (вшего) enables you to view, edit, or delete a transaction.
Financial Summary

displays the list of financial items associated with this incident and a summary of the financial amounts. When financial items are added, edited, or deleted from the Financial Items table, the summary information is automatically recomputed.

To add a financial item to an incident, Click . Identify the type of financial item, the amount, and any other required information. Indicate whether this financial item should be included in the financial summary. When you assign the incident to a case, you have the option to include its financial items.

Delete financial items by clicking .

Regulatory Reports

displays the reports related to the incident. You can also add a report to the incident by clicking . For more information on adding a report to an incident, see “Creating New Reports” on page 29.

Comments

displays the comments related to the incident. You can also add comments by typing in the comment box and clicking Post. This will automatically save the comment.

You can also add an attachment to the comment by clicking Attach File.

Note: This is different from adding a general attachment, as this attachment is linked directly to the comment it is associated with.

Note: When using Internet Explorer 9, only one file can be attached at a time.

Incident History

displays the activity history for the incident. The Type column includes the actions that were taken on the incident. Save indicates that the incident was saved after an action.

The Description column provides details about the action. Version N refers to the version number that is assigned after a save. When an incident is created, it is Version 1. Click Version 1 to see the original fields entered for the incident.

Click Version N to open the Incident Version Comparison dialog box. All subsequent changes are compared to the previous version. For example, Version 4 is compared to Version 3. Blank fields indicate no changes. Click the arrows in the top right corner of the dialog box to scroll to older or newer versions. Close the view by clicking the X.

Custom fields appear as standard fields in the version history, with the field in a one-to-one relationship between the current and previous version. However, custom tables display the full table view from version to version. Any changes from Version 3 to Version 4 show the Version 3 table above the Version 4 table.

Note: When an incident’s history is viewed, only the subjects of comments are displayed.

Finding Items Related to Unrelated Unassigned Incidents

You can find cases and other incidents that are related to unassigned incidents by clicking ). For more information, see “Finding Items Related to Unassigned Incidents” on page 16.
Creating a New Case

Create a new case by clicking 📝. For more information, see “Creating New Cases” on page 3.

Managing Subscriptions

You can sign up to receive notifications when specific events occur to this case by selecting Manage Subscriptions from the Actions menu (-utils). If you are already in a case, click 📝 at the top of the window. The Events Subscriptions dialog box appears. Select the events you would like to be notified about by clicking the associated check box, and then click OK.

*Note:* If you want to use the subscription feature, you must have that capability as part of your user or group privileges.

The following are the options for event subscriptions:

- **Attachments**
  - Specifies a notification when attachments are added or deleted.

- **Comments**
  - Specifies a notification when a comment is added, edited, or deleted.

- **Link**
  - Specifies a notification when a case, incident, subject, report, or financial item is added to or removed from an incident.

- **Save**
  - Specifies a notification when the entity is saved, regardless of the action performed.

- **Unlock**
  - Specifies a notification when an incident is unlocked.

Adding Attachments to an Incident

In addition to editing the incident, you can add attachments to the incident by clicking 📝. This opens the Attachments dialog box, enabling you to add and view attachments. For more information, see “Adding Attachments” on page 39.

Searching for Web Related Information

When you are editing an incident, you can access your web browser by clicking 📝. This opens your web browser, where you can search for information that is related to the incident.

Saving the Edited Incident

When you are finished editing the incident, click 📝 to save the changes that you have made. The incident is updated with the message Incident saved successfully. Click 📝 before you save to close the dialog box without saving the incident.
Chapter 4
Working with Subjects

New Subjects
Creating New Subjects

You can create new subjects by selecting New Subject from the Subject drop-down menu.

To create a new subject:

1. Click the New Subject button. The New Subject dialog box appears.

![New Subject dialog box]

2. Select the necessary information for the subject.
3. Click **OK** to create the subject. The subject is then opened for you to edit. You can continue to add information about this subject.

4. When you are finished, click **OK** to create and save the subject.

5. Click **Cancel** to leave the window without saving the subject.

   *Note:* If you did not save the subject before clicking **Cancel**, the Save Changes dialog box appears. Click **Yes** to save the subject. Click **No** to not save the subject and return to the previous window, or click **Cancel** to continue entering information about the subject.

### Linking Identical Subjects

When you enter a subject, you can link other subjects to it, indicating that they identify the same person. For example, if you are entering subject Mary Jane Moyers and you know she is already in the system as M. J. Moyers, you can enter M. J. Moyers as an identical subject.

1. In the Subject window, select the **Identical Subjects** tab. Click **Add**. The Add identical subject dialog box appears.

2. Search for subjects in the top portion of the dialog box. The results appear at the bottom of the dialog box.

3. Select the desired subjects and click **Add** to add them as identical subjects. You are returned to the Subject window.

4. Save your changes. The identical subjects are added to this subject's history files.

### Linking Related Subjects

When you enter a subject, you can link other subjects that are related to it. For example, if you are entering subject Thomas Dooley and you want to capture that his financial advisor, Brenda Vu, is also in the system, you can link Brenda Vu to Thomas Dooley with the Financial Advisor relationship.

To add a related subject, select the **Related Subjects** tab on the Subject window and then follow the same process as when adding an identical subject.
Editing Subjects

Editing Subject Information

Click to find and correct spelling errors in a field. You can check spelling anywhere the spell check icon appears.

The following information can be edited for a subject:

Note: A subject is locked every time it is edited, to prevent the subject from being worked on concurrently by another user. To unlock a subject from the subject edit window, click .

Subject Details
   enables you to edit the details for a subject.

Incidents
   displays the incidents related to the subject.

Cases
   displays the cases related to the subject.

Comments
   displays the comments related to the subject. You can also add comments by typing in the comment box and clicking Post. This will automatically save the comment.

You can also add an attachment to the comment by clicking Attach File.

Note: This is different from adding a general attachment, as this attachment is linked directly to the comment it is associated with.

Note: When using Internet Explorer 9, only one file can be attached at a time.

Identical Subjects
   enables you to link other subjects to this one, indicating that they identify the same person. For example, if you are entering subject Mary Jane Moyers and you know she is already in the system as M. J. Moyers, you can enter M. J. Moyers as an identical subject. For more information, see “Linking Identical Subjects” on page 22.

Subject History
   displays the activity history for the subject. The Type column includes the actions that were taken on the subject. Save indicates that the subject was saved after an action.

The Description column provides details about the action. Version N refers to the version number that is assigned after a save. When a subject is created, it is Version 1. Click Version 1 to see the original fields entered for the subject.

Click Version N to open the Subject Version Comparison dialog box. All subsequent changes are compared to the previous version. For example, Version 4 is compared to Version 3. Blank fields indicate no changes. Click the arrows in the top right corner of the dialog box to scroll to older or newer versions. Close the view by clicking the X.

Custom fields appear as standard fields in the version history, with the field in a one-to-one relationship between the current and previous version. However, custom tables display the full table view from version to version. Any changes from Version 3 to Version 4 show the Version 3 table above the Version 4 table.
Adding a Task to the Task List

You can create a list of tasks for a subject. To create a task, click and fill in Task Name, Due date, and Reminder date/time (optional), where you can specify the date and time that you would like to receive a reminder notification. The person who is logged on is the task owner and receives a system-generated notification on the reminder date.

To set your preferences for notifications, click at the top right corner of the application window, and select Preferences. Options on the General panel enable you to set how you want notifications to be sent and how you want your e-mails to be formatted.

Click to delete completed tasks.

Managing Subscriptions

You can sign up to receive notifications when specific events occur to this case by selecting Manage Subscriptions from the Actions menu ( ). If you are already in a case, click at the top of the window. The Events Subscriptions dialog box appears. Select the events you would like to be notified about by clicking the associated check box, and then click OK.

Note: If you want to use the subscription feature, you must have that capability as part of your user or group privileges.

The following are the options for event subscriptions:

- **Attachments** specifies a notification when attachments are added or deleted.
- **Comments** specifies a notification when a comment is added, edited, or deleted.
- **Link** specifies a notification when a subject is added to or removed from a case, incident, or another subject.
- **Save** specifies a notification when the entity is saved, regardless of the action performed.
- **Unlock** specifies a notification when a subject is unlocked.

Adding Attachments to a Subject

In addition to editing the subject, you can add attachments to the subject by clicking . This opens the Attachments dialog box, enabling you to add and view attachments. For more information, see “Adding Attachments” on page 39.
Performing Case Network Analysis

You can investigate a subject by viewing a network of cases, subjects, and incidents that are related to that subject by clicking . For more information, see “Case Network Analysis” on page 25.

Searching for Web Related Information

When you are editing a subject, you can access your web browser by clicking . This opens your web browser, where you can search for information that is related to the subject.

Saving the Edited Subject

When you are finished editing the subject, click to save the changes that you have made. The subject is updated with the message Subject saved successfully. Click to go back to the list of available subjects.

Case Network Analysis

Accessing Case Network Analysis

You can investigate a subject by viewing a network of cases, subjects, incidents, and reports that are related to that subject. The subjects can be associated by national ID number or other criteria that were established at your site. To perform case network analysis on a subject, select Case Network Analysis ( ) from the Actions menu ( ) on the Results panel, or from the Subject window. The Enterprise Case Management – Case Network Analysis window appears and the network loads. The subject that you are analyzing is the Graph Origin node and appears in red. The network first draws connectors from the root node to related entities. Connections are then made from that related entity to all of the entities associated with it, to widen the network. If the subject has no related entities, only the Graph Origin node appears.

Exploring the Network

Use the following techniques to navigate within the Case Network Analysis display:

- Expand — To expand a node or group of nodes, click the plus sign under the node ( ). That node becomes the new reference point for relationships and can retrieve other items from the system. You can expand only subject nodes.
- Zoom — To zoom in and out on the network itself, move the mouse wheel forward and backward.
- Move network — To move the entire network within the display, left-click in the white space around a network and then drag the network to a new location.
- Rearrange nodes — Select a node (single or grouped) to drag the node to a new location. Links are automatically rearranged when nodes are moved. You can drag nodes to see relationships more clearly.
• Hide/unhide and close tabs — Double-click in the white space around the network to hide any tabs that appear on the bottom of the Case Network Analysis display. This also maximizes the display area. Double-click again to make the tabs appear. Click the X on a tab to close it.

• Move tabs — Move a tab by selecting, dragging, and dropping it into a new position within the grouping of existing tabs.

• Resize sections — Adjust the area at the bottom of the display that is devoted to tabs by clicking the separator bar and dragging it up or down.

• Node description — To see a description of a node, position your mouse pointer over a node. To see how nodes are related, position your mouse pointer over a link.

• View details — To view node details, double-click the node. The Properties panel is expanded. Click Show Details in the Properties panel. The Show Details panel is expanded at the bottom of the window, as configured by your administrator.

After the Show Details panel is expanded, clicking a new node repopulates the panel with information pertaining to the newly selected node.

You can sort any column in the Show Details panel alphabetically by clicking the column name. Collapse the Show Details panel by clicking the X.

Group details are not available, and clicking a group or selecting more than one node hides the Show Details panel.

• Annotate — To view or make annotations about a node, do one of the following:
  • Double-click the node to reveal the Properties panel. The Properties panel contains an unlabeled Annotation text box.
  • Click the node and then click Edit Entity from the toolbar. The Graph Entities Wizard is displayed, showing the Annotation text box. The Annotation text box enables you to add an annotation or to view or edit an existing annotation.

  Note: If you do not want to see the HTML tags along with the annotations, do not include any HTML tags with the incoming string value.

• Open a new SAS Enterprise Case Management window — Click a URL in a detail tab to view additional information in a new SAS Enterprise Case Management window. You can have multiple windows open at the same time. Note that you can only see the details for cases, incidents, or subjects linked to the origin subject based on your permission.

• Add nodes — To add a node, select a node to which you want to link the new node. Then, from the main menu, select Add Node. The Graph Entities Wizard is displayed. This enables you to specify the node properties as well as the link properties. Specify the parameters for the node and for the link that joins the nodes.

After all the parameters have been specified, click OK. The new node and associated link are dropped onto the diagram and are linked to the originally selected node.

  Note: You must save the diagram to save the changes that you made to the node or link.

To save your updates, click Save.

• Hide nodes — To hide a node, click Collapse Expanded Nodes from the toolbar.

  Note: A node cannot be hidden if the action leaves a node unlinked from other nodes in the network. In these instances, the Hide option does not perform any action.
• Reveal hidden nodes — To reveal hidden nodes, click the plus sign at the bottom of the node. Hidden nodes and associated links appear in the social network analysis diagram.

Note: You must save the diagram to save the changes that you made to the node or link.

To save your updates, click Save.

Using the Toolbar

The toolbar buttons enable you to change the views of the network.

Group Nodes enables you to organize nodes by grouping them together. Click Group. Hold down the Ctrl key and click the left mouse button to define a rectangle around the nodes that you want to group, and then release the mouse button. The selected nodes and their links are highlighted in black. Click Group again to collapse the nodes into a single icon. To expand, click .

Add Link enables you to establish a link between nodes. Hold down the Ctrl key and select two nodes, and then click . A line appears that connects the nodes.

Run Layout enables you to choose from two layout options: Tree and Springy.

Re-Group Nodes enables you to regroup sets of nodes that you previously grouped and then expanded. Clicking it additional times regroups node sets in reverse sequential order.

Collapse Expanded Nodes collapses any subject nodes that have been expanded.

Home centers the network in the display area. Click the arrow to see options for moving or rotating the network.

Zoom enables you to get a closer look at portions of the network.

Zoom Out enables you to zoom out from the diagram.

Print enables you to print the current view of the network.

Edit Entity enables you to update the current entity information and specifications.

Delete enables you to delete the entity from the network view.
Chapter 5
Working with Reports

Creating New Reports

You can create new reports by selecting from the list of reports associated with a case or incident.

Note: is available depending on your workflow configuration as well as case or incident type.

To create a new report:

1. Click The New Report dialog box appears.

<table>
<thead>
<tr>
<th>New Report</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Report ID:</td>
<td>2013-10146</td>
</tr>
<tr>
<td>Type:</td>
<td>United States</td>
</tr>
<tr>
<td>Category:</td>
<td>Financial Crimes Enforcement Network</td>
</tr>
<tr>
<td>Subcategory:</td>
<td>(none selected)</td>
</tr>
</tbody>
</table>
2. Select the necessary information for the report. Click OK to create the report. The report is opened for editing. You can continue to add information regarding this report.

3. When you are finished, click or to create and save the report. The new report is then displayed in the list of available reports on the case or incident and also on the Results panel of the Search Reports window.

   Note: Clicking requires you to enter all of the required information before the report is saved and you are allowed to leave the window. Clicking allows you to save the report and leave the window. However, you receive warnings for information that you need to provide before the report can be moved to the next step in the process.

4. Click to leave the window without saving the report.

   Note: If you did not save the report before clicking , the Save Changes dialog box appears. Click Yes to save the report. Click No to not save the report and return to the previous window, or click Cancel to continue entering information about the report.

---

**Editing Reports**

**Editing the Report Activity Status**

In SAS Enterprise Case Management, you can edit a report by selecting Edit from the Actions menu on the Results panel for reports. When you select Edit, the selected report opens. You can then make any needed changes to the report. The report and the report status for the report are displayed. On this page, you can update the report status on the Action Items panel. The Action Items panel displays the task transition information for the report. To update the status for a task, select a transition option from the Task Transition drop-down box.

From the Action Items panel, you can also select the following actions:

- terminates the workflow of a report.
- reactivates a report’s workflow when an available workflow option is selected.

   Note: A report is locked every time it is edited, to prevent the report from being worked on concurrently by another user. To unlock a report from the report edit window, click .

**Editing Report Information**

You can update information for a report on the Report Information panel. The Report Information panel contains various items that you can modify. Click to find and correct spelling errors in a field. You can check spelling anywhere the spell check icon appears. The following information can be edited for a report:
Report Details
enables you to edit the details for a report. This is where you specify any .csv attachment you want to add to the e-file generated from this report.

Comments
displays the comments related to the report. You can also add comments by typing in the comment box and clicking Post. This will automatically save the comment.

You can also add an attachment to the comment by clicking Attach File.

Note: This is different from adding a general attachment, as this attachment is linked directly to the comment it is associated with.

Note: When using Internet Explorer 9, only one file can be attached at a time.

Report History
displays the activity history for the report. The Type column includes the actions that were taken on the report. Save indicates that the report was saved after an action.

The Description column provides details about the action. Version N refers to the version number that is assigned after a save. When a report is created, it is Version 1. Click Version 1 to see the original fields entered for the report.

Click Version N to open the Report Version Comparison dialog box. All subsequent changes are compared to the previous version. For example, Version 4 is compared to Version 3. Blank fields indicate no changes. Click the arrows in the top right corner of the dialog box to scroll to older or newer versions. Close the view by clicking the X.

Note: When a report’s history is viewed, only the subjects of comments are displayed.

Managing Subscriptions
You can sign up to receive notifications when specific events occur to this report by selecting Manage Subscriptions from the Actions menu ( ). If you are already in a report, click at the top of the window. The Events Subscriptions dialog box appears. Select the events you would like to be notified about by clicking the associated check box, and then click OK.

Note: If you want to use the subscription feature, you must have that capability as part of your user or group privileges.

The following are the options for event subscriptions:

Attachments
specifies a notification when attachments are added or deleted.

Comments
specifies a notification when a comment is added, edited, or deleted.

Link
specifies a notification when a report is added to or removed from an e-file.

Save
specifies a notification when the entity is saved, regardless of the action performed.

Unlock
specifies a notification when a report is unlocked.

Workflow
specifies a notification when a report workflow is activated or terminated, and the status of a workflow has changed.
Adding Attachments to a Report

In addition to editing the report, you can add attachments to the report by clicking ![Add Attachment Button]. This opens the Attachments dialog box, enabling you to add and view attachments. For more information, see “Adding Attachments” on page 39.

Saving the Edited Report

When you are finished editing the report, click ![Save Button] to save the changes that you have made (excluding the items in the Actions Items panel). The report is updated with the message Report saved successfully. To save the items in the Action Items panel, click Save Report and Action Items.

Preview Reports

You can preview a report before you print it. In the Results panel, select Preview Report from the menu. This displays the report in a style that has been associated with the report type. This can be in PDF, HTML, or RTF format, for example.

Print Reports

If you have already previewed a report, you can print the report by using the embedded print functionality of the technology being used to view the report (for example, printing from Adobe Reader).
Creating New E-Files

You can create new e-files by selecting New E-File from the New E-File drop-down menu.

To create a new e-file:


   ![New E-File dialog box]

   - E-File ID: 2013-10021
   - Type: United States
   - Category: Financial Crimes Enforcement Network
   - Subcategory: (none selected)

2. Select the necessary information for the e-file and click OK to create the e-file.
   
   The e-file is then opened for editing. You can continue to add information about this e-file.

3. When you are finished, click to create and save the e-file. The new e-file is then displayed in the list of available e-files on the Results panel of the Search E-Files window.
4. Select to leave the window without saving the e-file.

*Note:* If you did not save the e-file before clicking \(\text{\textbullet}\), the Save Changes dialog box appears. Click Yes to save the e-file. Click No to not save the e-file and return to the previous window, or click Cancel to continue entering information about the e-file.

---

**Editing E-Files**

**Editing E-File Information**

You can update information for an e-file on the E-File Details panel. The E-File Details panel contains various items that you can modify. Click \(\text{\textbullet}\) to find and correct spelling errors in a field. You can check spelling anywhere the spell check icon appears. The following information can be edited for an e-file:

*Note:* An e-file is locked every time it is edited, to prevent the e-file from being worked on concurrently by another user. To unlock an e-file from the e-file edit window, click \(\text{\textbullet}\).

**E-File**

enables you to edit the details for an e-file.

**Comments**

displays the comments related to the e-file. You can also add comments by typing in the comment box and clicking Post. This automatically saves the comment.

You can also add an attachment to the comment by clicking Attach File.

*Note:* This is different from adding a general attachment, as this attachment is linked directly to the comment it is associated with.

*Note:* When using Internet Explorer 9, only one file can be attached at a time.

**E-File History**

displays the activity history for the e-file. The Type column includes the actions that were taken on the e-file. Save indicates that the e-file was saved after an action.

The Description column provides details about the action. Version N refers to the version number that is assigned after a save. When an e-file is created, it is Version 1. Click Version 1 to see the original fields entered for the e-file.

Click Version N to open the E-File Version Comparison dialog box. All subsequent changes are compared to the previous version. For example, Version 4 is compared to Version 3. Blank fields indicate no changes. Click the arrows in the top right corner of the dialog box to scroll to older or newer versions. Close the view by clicking the X.

*Note:* When an e-file’s history is viewed, only the subjects of comments are displayed.

**E-File Reports**

enables you to update and link reports to an e-file.

Click \(\text{\textbullet}\) to open the Add Report to E-File dialog box. This dialog box enables you to link reports to an e-file that is ready to be generated. You can choose multiple reports from this dialog box. See “Adding Reports to an E-File” on page 35 for more information.
To change the status of many reports at the same time, select the check boxes to update some or all of the reports and click.

**Generate E-File**

click this to generate an e-file for all the reports that are linked to this e-file.

**Post-filing Details**

provides information on the generated e-file. You can enter the confirmation ID that comes back from the regulatory agency.

After **Generate E-File** has been clicked, the following fields are populated:

**Coverage Start Date**

is the earliest activity date from all the reports that are e-filed.

**Output Filename**

is the name of the DAT file that is sent to the government and that is produced by the generation process.

**Output Path Name**

is the name of the directory where the output file is stored.

**Output Report Count**

is the count of all the reports that are generated in this e-file.

**Output Line Count**

is the number of lines in the file from the **Output Filename** field.

**Output File Size (Bytes)**

is the size of the output file.

**Output Creation Date**

is the date that the file in the **Output Filename** field was generated.

**Coverage End Date**

is the latest activity date from all the reports that are e-filed.

*Note:* When you have received the confirmation information after submitting the e-file to the financial center government site, you can paste the information into the **Transmission Date** and **Output Creation Date** fields.

### Adding Reports to an E-File

Reports can be added to an e-file only before the e-file’s submission file is generated. After you click **Generate E-File**, the status of the e-file changes and information about the generated submission file is populated to the e-file. When you save the e-file at this point, the **Edit** and **Generate E-File** options are hidden or disabled. If the e-file needs to be generated again, you must change the e-file status back to **Ready to Generate** and save the e-file. This makes the **Edit** and **Generate E-File** options available again.

*Note:* To add a report to an e-file, the report type, category, and subcategory must match that of the e-file.

After an e-file is marked as **Accepted**, it is no longer editable.

### Managing Subscriptions

You can sign up to receive notifications when specific events occur to this e-file by selecting **Manage Subscriptions** from the Actions menu (**`). If you are already in an e-file, click **Edit** at the top of the window. The Events Subscriptions dialog box appears.
Select the events you would like to be notified about by clicking the associated check box, and then click OK.

*Note:* If you want to use the subscription feature, you must have that capability as part of your user or group privileges.

The following are the options for event subscriptions:

**Attachments**
- specifies a notification when attachments are added or deleted.

**Comments**
- specifies a notification when a comment is added, edited, or deleted.

**Link**
- specifies a notification when a report is added to or removed from an e-file.

**Save**
- specifies a notification when the entity is saved, regardless of the action performed.

**Unlock**
- specifies a notification when an e-file is unlocked.

### Adding Attachments to a E-File

In addition to editing the e-file, you can add attachments to the e-file by clicking ![Add Attachment](image). This opens the Attachments dialog box, enabling you to add and view attachments. For more information, see “Adding Attachments” on page 39.

### Saving the Edited E-File

When you have finished editing the e-file, click ![Save](image) to save the changes that you have made. The e-file will be updated with the message **E-File saved successfully**.
Search Box

If enabled, a search box is visible in the SAS Enterprise Case Management banner. This search box allows you to do a broad search across entities based on the keyword you enter. Type a query in the box and submit it by clicking or pressing Enter.

After you have entered your search, the results are shown in a list. Click on the entity to see its details. Click to return to the list of results.

Note: The search box results contain only cases, incidents, subjects, reports, and comments.

The following is the syntax available for the search box:

AND/OR
The default is AND, unless configured differently. For example, John Doe is interpreted as John AND Doe.

Nested query
An example of a nested query is (Bob AND John) OR (Tim AND Brian).

Phrases
To search for a specific phrase, add quotation marks around it. For example, “John Doe.”

Wildcard
Use the wildcard * to specify any character or combination of characters. For example, Jo* returns John, Joe, Jonathan, or anything else that begins with the letters “Jo.”
Chapter 8
Attachments

**Adding Attachments**

When you are working in SAS Enterprise Case Management, it might be necessary to add supporting documents to an entity (case, incident, subject, report, or e-file). You can add file attachments by clicking when you are editing an entity. You can also select Attachments from the Actions menu ( ) on the Results panel for an entity. Follow these steps to add an attachment:

1. Select Attachments. The Attachments dialog box appears.
2. On the Add Attachments panel, enter the location and name of the file that you are attaching. You can also select the Select file to upload button to locate the file.
3. If needed, enter a text description of the file that you are attaching in the Description box.
4. Click the Add Attachments button. This saves the attachment to the selected item. The following message then appears:
   File "xxxx" was successfully uploaded
   The attachment is then listed in the Attachments panel.
5. The Attachments panel lists all attachments that are added to the item. If you select an attachment from the Attachments panel, the attachment opens in a new dialog box. If needed, you can delete an attachment by clicking that appears beside the attachment.
6. When you are finished adding or deleting attachments, select Close to exit the Attachments dialog box.
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