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Classified Computer Configuration Control System (C⁴S), Revision 3, User's Information

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1.0 INTRODUCTION

The Classified Computer Configuration Control System (C⁴S) allows security management to track pertinent information concerning classified computer systems in the scope of their control. Information is entered by the level security manager that is closest to the classified computer system. Managers that are further removed from systems can have consolidated information made available to them. C⁴S can be used to generate reports that are as current as the last information that was entered into the database. C⁴S offers data entry, data display, and data reporting. The user interface uses menus, entry forms, the mouse, and Hot Keys.

C⁴S provides help windows that are available at any time by pressing the F1 key. C⁴S has help for each menu, data entry form, and general program information. You can browse a help window by pressing the arrows, page up, or page down keys.

You control C⁴S with program options selected from pull-down menus. You "select" by moving a highlight bar up and down or across the menu and pressing enter on one of the options. The highlight bar is moved using the arrow keys, mouse, or selection letters.

Notice that a letter of each menu option is a different color from the other letters. This is the selection letter for that option. If you press the selection letter, the highlight bar will move to that option.

You can also use a mouse to move the highlight bar to the option by moving the mouse pointer to the option and pressing the mouse button.

Explanations of menu options or entry fields appear at the bottom of the screen. These explanations should help you use C⁴S. If you need more help, it is available by pressing F1. C⁴S will bring up a help window for the particular option you are working with. The authors of the program are P.B. O'Callaghan, A. J. Grambihler, and R. A. Nelson.

1.1. Getting Started

C⁴S is divided into three components. They are: C⁴S Administration, C⁴S Input, and C⁴S Report. C⁴S Administration provides the functionality required to administer the program. These functions will be performed by the Database Administrator and are fully discussed in the DBA guide (WHC 1994). C⁴S Input is the component that will be used by the user to add, update, delete, or restore information to the database. C⁴S Report is the component that will be used by the user to display or print reports without modifying the existing database. This document will guide the user in performing functions found in both C⁴S Input and C⁴S Report. The information presented in Section 1 page 1 applies to all components of C⁴S. Differences will be noted by the users in each component based on which elements of the main menu contain functions other than the "About" command. Activation of all components will be through a Microsoft Windows (a trademark of Microsoft Corporation) interface. Double clicking on an icon will bring the component onto the screen. You will be presented with the Main menu and the "About" display (Figure 1). If you press Alt/K simultaneously (K is highlighted in yellow), the Enter key, click on the "OK" Icon with your mouse, or click on the window close icon (the green square in the upper left frame of the window), the "About" Display will disappear leaving the Main menu clear.

Figure 1. Main Menu

The main menu gives a list of all the main commands available to the user. Each of these commands has additional commands that the user can select. At this point all the pull-down windows show activities in grey or have an option for About. Activating the About will bring up the title display. The grey colored activities will not activate. There is one activity under Security that will activate. The action required is "Log In." This will allow the program to verify your identification and the level of access that you are allowed. The main menu also displays the computer time in the upper right corner of the menu, and in the lower right corner, the remaining available memory is displayed.

When one is logged into the system the general menu selection operations are as follows. A command is selected from the main menu and it displays another list of commands that can be selected. Hot keys are displayed in red, or a mouse click can be used unless the activity is still displayed in grey. When an entry is selected from this list of commands, another list of commands or a display form may be presented. These presentations are layered on top of each other. When one wants to back out of a layer, it can be accomplished by closing windows until reaching the desired window or the main menu. Closing a window can be accomplished by pressing the "Esc" key, or by clicking on the "Cancel," or "Done" Icon. Sometimes you are asked to verify that you wanted to press the Esc key.

Icons are sometimes highlighted. One can tell an icon is highlighted because the letters appear white, while the hot key is yellow. One can activate a highlighted icon by pressing the Enter key. Of course, you can always activate an icon with a mouse click, whether it is activated or not. The Arrow keys, Tab, and Shift-Tab keys are generally used to move the cursor to the desired location.

Text followed by a "^" indicates that data is to be selected from a pull-down list. Text followed by a ":" indicates that data is to be typed in.

1.2. About Command

This command displays the About box that is displayed each time C'S is run. Press Alt/Space or click "-" in the menu items to display the "About" selection, then press "A," or click "About" to display the About Box. Press Enter, Alt/K, click on the window-close icon, or click the OK icon to return from the display.

1.3. Help Command

This command displays Help information, which is context sensitive. Press F1, or click "Help" in the menu items to obtain help. Press the Esc key to return from the display. Click on the highlighted items to obtain additional information.

1.4. Exit Command

This command Exits from the C⁴S program. Press Alt/X or click "Exit" while in the main menu. When Alt/X is pressed the program is exited immediately. Clicking on the Exit brings a small window that says "Exit." Pressing "X," or Alt/X at this point will exit the program. To back out of the exit process when the "Exit" window is visible, Press "Esc." On exiting the program, the user will be logged out automatically.

1.5. Security Command

Press Alt/S or click "Security" in the menu items to display the security selection box (Figure 2).

Figure 2. Security Pull Down Menu.

Note: To go straight to the "Log In" when at the main menu Press "F5."

There are two Security Commands: "Log In," and "Log Out." All users will be required to "Log In" to each C⁴S component. "Log Out" may be accomplished for a user to change access parameters on the next "Log In" without leaving the program. "Log Out" is accomplished automatically when a user terminates the program component.

1.5.1. Security "Log In"

When Security "log In" is selected, the user is presented with a popup window (Figure 3). The default user name is the name of the person logged into the network. If this is not you, it is appropriate to change the "Login Name" to your name, exactly as it appears in the network directory. Move to the "Login Name" field by pressing the Shift and Tab keys together.

Figure 3. Log In Popup Window.

The Tab Key or mouse is used to move back to the Password field. After the User ID and Password have been entered, one of the commands to the right of the display needs be selected. The default with the Enter key is OK.

1.5.1.1. Security "Log In" Cancel

This command is used to cancel the "Log In" command.

1.5.1.2. Security "Log In" Help

This command is used to provide help for the user.

1.5.1.3. Security "Log In" OK

This command is used to process the User ID and Password entered. If the User ID or Password is incorrect, an error message is displayed and the

"Log In" user must try again or contact the database administrator for help. If the User ID and Password are correct C⁴S returns a popup display that shows the "Person Name," "Login Name," "Expiration Date" of the user's password, and the "Global Access" that is granted to the user (Figure 4). When an "X" appears in a category, the user has been granted the authority to perform the specified access. As normal exiting this window can be done by pressing the Esc Key, mouse clicking on the window-exit icon, "OK" icon, entering ALT-K, or pressing Enter.

Figure 4. Log In Completed Successfully Popup Window.

■ Security Edit Report Admin Options Help Exit 12:31:56

[=] Logged in User Done

Person Name^ User.11111

Login Name: IM_NETNAME

Expiration Date: 01/01/1995

Global Access

- [] DBA
- [X] New
- [X] Update
- [X] Delete
- [X] Browse
- [X] Retrieve

F1 Help ALT-X Exit C4S Edit 97072

1.5.2. Security "Log Out"

When Security "Log Out" is selected, the current user is logged out of C⁴S. There is no special display. The system returns to the main menu.

2.0 C⁴S INPUT COMPONENT

After the user has logged into the C⁴S Input Component, the Edit command is activated. This command allows the user to "Add," "Update," "Delete," "Retrieve," and "Browse" information in the database.

2.1. Edit Command

Two Edit Commands are available to the user. The names of these two main capabilities are: Security Plans and Supporting Tables (Figure 5). Security Plans allows the user to work with the database on a basis of individual security plans. Supporting Tables allows the user to work with database information by types of data. For instance, one could add multiple people to the database and later associate them with security plans or computer systems, as needed.

Figure 5. Edit Pull-Down Menu.

2.1.1. Edit Security Plan

When "Security Plan" is selected at the beginning of a session, the "Edit Security Plan" window is empty (Figure 6). This is because the user has to specify at least one facility that is to be used. If the user wants to add a new security plan or system to the database, only one facility can be selected. Multiple facilities will be indicated if the user wants to generate output displays or reports that combine multiple facilities. To select the active facilities, click on the facility icon or press Alt F.

Figure 6. Edit Security Plan Popup Window.

This action will bring up the Selections Popup Window and allow the user to select one or more facilities depending on the task to be accomplished (Figure 7). To move a facility to the selected side, highlight the facility and select "Add," or double click on the entry to be added. To remove a facility from the selected side, highlight the facility and select "Delete" or double click on the entry to be removed. When satisfied with the selection(s), select "Done" or press the "Esc" key. The user is now returned to the "Edit Security Plan" window (Figure 6), but this time the window is filled with the names of security plans that belong to the facility(ies) selected. The user now has the full range of options to select for processing security plans.

Figure 7. Selections List Popup Window.

2.1.1.1. New Security Plan Basic Information

We will track through the system, adding a new security plan. To start the user selects "New," and the system presents the "New Security Plan" window (Figure 8). The Facility Identification is included in the title.

Figure 8. New Security Plan.

■ Security Edit Report Admin Options Help Exit 12:31:56

[=] 0620-WHC. | New Security Plan

Plan Name:

Revision Number:

Under Development: ☐

OK
Cancel
Help

F1 Help ALT-X Exit C4S Edit 97072

The window allows the user to enter basic identification information about the security plan.

The first field is "Plan Name:." It provides space for the user to enter a user-created name for the security plan. The name could be the name of a project or some other identifying name. The next field, "Revision Number," is already zero. New plans start at zero and increase as formal changes are made. The final field, "Under Development," gives the status of the plan. If the answer is "Yes," the plan is in the process of being created or modified from the current plan. A "Y" or "N" can be entered for Yes or No, or a double click will toggle the field value. The User selects "OK" to complete the window. The system returns the user to the "Edit Security Plan" window (Figure 6). At this point the new security plan is selected and ready for additional information to make the record information complete.

2.1.1.2. New Security Plan Document Information

The next icon on the bottom of the window (Figure 6) is "Document." This icon would be selected if the security plan, or any other document that pertains to the security plan, needs to be recorded. Selecting the "Document" icon brings up the "Edit Security Plan Document" window (Figure 9).

Figure 9. Edit Security Plan Document.

■ Security Edit Report Admin Options Help Exit 12:31:56

[.] 9999-AAAA.NNNNNNNNNN. | Edit Security Plan Document

Select Security Plan Documents

<empty>

New
Update
Delete
Browse
Retrieve
Done
Help

F1 Help ALT-X Exit C4S Edit 97072

Because a new security plan is being entered into the system, the listing will be empty. However, the title of the window will be modified to indicate the facility code (9999), the facility abbreviation (AAAA), and the security plan name (NNNNNNNNNN). This information tends to push the title of the window aside. To enter a new document select "New." This brings up the "New Security Plan Document" window (Figure 10). The only field in this window is "Document^." This is a selection field and is entered with a double click on the field or by pressing the "Insert" key. The user has now arrived at the "Select All Documents" window (Figure 11). This window allows the user to select a document that previously exists in the database by highlighting the document and selecting "Process." Let's assume that the document does not exist in the database and select "New."

Figure 10. New Security Plan Document.

■ Security Edit Report Admin Options Help Exit 12:31:56

[■] 9999-AAAA.NNNNNNNNNN. | New Security Plan Document

Document^

OK
Cancel
Help

F1 Help ALT-X Exit C4S Edit 97072

Figure 11. Select All Documents.

The screenshot shows a terminal window with a menu bar at the top: **Security Edit Report Admin Options Help Exit**. The time **12:31:56** is displayed in the top right corner. The main window title is **Select All Documents**, with a subtitle **Select Security Plan Documents**. Below the title is a large, empty rectangular box, likely for a list of documents. To the right of this box is a vertical scrollbar. On the far right, there is a column of four buttons: **New**, **Process**, **Done**, and **Help**. At the bottom left of the terminal, the text **F1 Help ALT-X Exit C4S Edit** is visible. At the bottom right, the number **97072** is displayed.

Figure 12 shows the next window, which is "New All Documents." The first field is a selection field for the facility identification.

Figure 12. New All Documents.

■ Security Edit Report Admin Options Help Exit 12:31:56

[*] New All Documents

Facility^

Type^

Number:

Date:

Description:

OK

Cancel

Help

F1 Help ALT-X Exit C4S Edit 97072

Double clicking on the facility field or pressing the "Insert" key will bring up the "Select Facility Identification" window (Figure 13). In this instance, all the facilities in the database will be displayed. This will allow the user to indicate the facility the originator belongs too. After the desired facility is highlighted, select "Process," and the system will return to the "New All Documents" window (Figure 8) with the selected facility placed in the "Facility^" field.

Figure 13. Edit Select Facility Identification.

■ Security Edit Report Admin Options Help Exit
12:31:56

[■] Select Facility Identification
Process

Select Facility Identification
Done

0620-WHC
Help

F1 Help ALT-X Exit C4S Edit
97072

NOTE: If a facility is typed in instead of selected in this manner, the facility field will be erased. When the "^" follows the field title, it means that the field needs to be selected with the double click or by pushing the "Insert" key.

After returning to the "New All Documents" window, the user is ready to enter the "Type^" field. The "Select Document Type" window (Figure 14) allows the user to select in the normal manner the type of document that is being referenced.

Figure 14. Select Document Type.

After returning to the "New All Documents" window (Figure 12), the user is ready to add in the remaining three fields of information. "Number:" is the document identification number. This number must be unique in the database. If there is no specified number for a document, the user can use YYMMDDIII where YY is the last two digits of the year, MM is the month of the year, DD is the day of the year, and III is the initials of the originator. The "Date:" field is the date the document was generated.

NOTE: The system will add the "/" marks automatically in date fields, so the user only needs to add MMDDYY in this field.

Description is perhaps the subject of the letter, the title of the document, or a user-developed note to state what the document is about. When "OK" is select the system returns to the "Select All Documents" window (Figure 11). Notice the document that was just created is selected in this window. The user needs to select the "Process" icon to allow the system to return to the "New Security Plan Document" window (Figure 10). At this point the user selects the "OK" icon, which completes the connection of the document to the security plan basic information. The system now returns to the "Edit Security Plan Document" window (Figure 9) and is ready for other document activity. Because we are trying to enter all the information pertaining to a new security plan, we will drop the possible modifications to documents until later in this user's guide. The user shall return to the "Edit Security Plan" window (Figure 6) by selecting the "Done" icon or pushing the "Esc" key.

2.1.1.3. New Security Plan Registry Information

The security plan register allows the user to assign people who have responsibilities toward the security plan. Examples would be the CSSO, Primary, and alternate users. In some cases, the person and his or her title are already in the database. The system allows the user to select those individuals. In other cases, such as assigning a primary or alternate user, the individual might not be in the database and will have to be entered before associating the individual to the system or security plan.

The registry is also used to document the status of a security plan. Some status examples would be "accredited for operation," "temporarily accredited," or "security plan update certified."

The actions required to assign a registry are similar to the process just completed with documents. Primarily the actual field information will be the biggest difference.

While in the "Edit Security Plan" window (Figure 6) with the appropriate security plan selected, select the "Registry" icon.

The system brings up the "Edit Security Plan Registry" window (Figure 15). The capabilities of this window are analogous to the "Edit Security Plan Document" window (Figure 9). Because this is new security plan information, the list should be empty. The user selects "New," and the system brings up the "New Security Plan Register" window (Figure 16), which is analogous to the "New Security Plan Document" window (Figure 10).

Figure 15. Edit, Security Plan Registry.

Security Edit Report Admin Options Help Exit
12:31:56

[] 9999-AAAA.NNNNNNNNNNN. | Edit Security Plan Regist
Select Security Plan Register

<empty>

New

Update

Delete

Browse

Retrieve

Done

Help

F1 Help ALT-X Exit C4S Edit
97072

Figure 16. New Security Plan Register.

■ Security Edit Report Admin Options Help Exit 12:31:56

[.] New Security Register

Person Id^

Person Title^

Register Type^

Register Date: 12/17/1993

OK Cancel Help

F1 Help ALT-X Exit C4S Edit 97072

Three of the fields get data by selection. The first is "Person Id." Enter "Person Id" by double clicking. This brings up the "Select Person Identification" window (Figure 17). In many cases a person might already be in the database, but not with the registry assignment that is desired for this application. The user can select the person and then select "Process" to select the person desired. On the other hand, the person for the registry might not be in the database. In this case, the user will select "New," which will bring up the "New Person Identification" window (Figure 18). The first field is a selection field for the facility identification. Entering this field with a double click will bring up the "Select Facility Identification" window (Figure 13). In this instance, all the facilities in the database will be displayed. This will allow the user to indicate the facility where the person works. If the individual works for some facility that is not currently in the database, the user can call the system administrator and have the new facility entered. The remaining fields are directly entered by the user. The "Number:" field is asking for a unique alphanumeric identification number. Payroll numbers are desirable. In the absence of a unique specified number, one can use YYMMDD and the person's initials. The system will not allow a duplicate number to be added to the database. "Last:," "First:," and "Middle:" are the names of the individual. Enter the names with the capitalization that is desired for reporting. The system will not modify the names fields. "Phone:" is the work phone number of the individual, while

"MSIN:" is the mail stop. When completed, the user selects "OK" and the individual is entered into the database. This brings up the "Select Person Identification" window (Figure 17) again only the new person is selected. The user then selects the "Process" icon. The user is then returned to the "New Security Register" window (Figure 16) with the "Person Id^" field completed.

Figure 17. Select Person Identification.

■ Security Edit Report Admin Options Help Exit 12:31:56

[■] Select Person Identification

Select Person Identification

New
Process
Done
Help

F1 Help ALT-X Exit C4S Edit 97072

Figure 18. New Person Identification.

■ Security Edit Report Admin Options Help Exit		12:31:56
[] New Person Identification		
Facility Code^	<input type="text"/>	<input type="button" value="OK"/>
Number:	<input type="text"/>	<input type="button" value="Cancel"/>
Last:	<input type="text"/>	<input type="button" value="Help"/>
First:	<input type="text"/>	
Middle:	<input type="text"/>	
Phone:	<input type="text"/>	
MSIN:	<input type="text"/>	
F1 Help ALT-X Exit C4S Edit		97072

The next field in the "New Security Register" window (Figure 16) to be completed is the "Person Title^" field. The user double clicks or presses the "Insert" key to enter the "Select Person Title" window (Figure 19). The user is to select one of the options available that will indicate the working capacity, within the computer security definition, that the individual operates. If enough selections are not available, the user is to contact the system administrator to have the needed selection(s) added to the system. The user then selects the "Process" icon. The user is then returned to the "New Security Register" window (Figure 16) with the "Person Title^" field completed.

Figure 19. Select Person Title.

■	Security Edit Report Admin Options Help Exit	12:31:56
---	--	----------

[■] Select Person Title

Process
Done
Help

CSOM ALT:
CSOM:
CSPM ALT:
CSPM:
CSSM ALT:
CSSM:
CSSO ALT:
CSSO:
N/A:
USER:

F1 Help ALT-X Exit C4S Edit	97072
-----------------------------	-------

The next field in the "New Security Register" window (Figure 16) to be completed is the "Register Type^" field. The user double clicks or presses the "Insert" key to enter the "Select Register Type" window (Figure 20). The user is to select one of the options available that will indicate the Status change that is being made to the individual or the security plan. If enough selections are not available, the user is to contact the system administrator to have the needed selection(s) added to the system. The user then selects the "Process" icon. The user is then returned to the "New Security Register" window (Figure 16) with the "Register Type^" field completed.

Figure 20. Select Register Type.

The "Register Date:" Field is defaulted to the current date. If the user would like to change the date, it can be accomplished by activating the "Insert" key and typing over the default date. Another method would be to go to the end of the field and backspace to erase parts of the date and then fill in the correction.

When this is completed, the user selects the "OK" icon to enter the information into the database. The user now selects the "OK" icon, which completes the process. The system closes the window and returns the user to the "Edit Security Plan Registry" window (Figure 15). The user will note that the new registry is now added to the list of registrations for the security plan. This process can be repeated as many times as necessary to create all the relevant registries for a security plan. Assuming the user is done with registering the "Done" icon is selected, or the "Esc" key is pressed to return from the current window. The user shall be returned to the "Edit Security Plan" window (Figure 6) so that more operations can be performed.

2.1.1.4. New System Information

A security plan will be written for one or more computer systems. The "System" icon on the "Edit Security Plan" window (Figure 6) will allow the user to create and manipulate information concerning one or many of the systems associated with a particular security plan. To complete the process

of adding a security plan and all the associated information, the user must use the "System" icon to finish the process. After selecting the "System" icon, the "Edit System" window (Figure 21) is presented to the user. Like several other windows, it has icons on the right and bottom of the surface. The icons on the right are for adding, updating, and deleting basic information about the selected system. The icons on the bottom are for adding, updating, and deleting detailed information about a selected system. To add a new system to the database, the basic information must be added first. Then the detailed information can follow.

Figure 21. Edit System.

2.1.1.4.1. Adding Basic System Information

The user selects the "New" icon to add basic information about a new system to be associated with the selected security plan. After selecting the "New" icon the "New System" window (Figure 22) is presented to the user.

Figure 22. New System.

■ Security Edit Report Admin Options Help Exit		12:31:56
[.] 9999-AAAA.NNNNNNNNNN. New System		
System Name:	<input type="text"/>	<input type="button" value="OK"/> <input type="button" value="Cancel"/> <input type="button" value="Help"/>
System Purpose:	<input type="text"/>	
Location^	<input type="text"/>	
Organization Id^	<input type="text"/>	
Classification Category^	<input type="text"/>	
Classification Level^	<input type="text"/>	
Clearance Level^	<input type="text"/>	
Percent Used Unclassified:	0	
Percent Used Confidential:	0	
Percent Used Secret:	0	
Percent Used Top Secret:	0	
Protection Index:	☐	

F1 Help ALT-X Exit C4S Edit 97072

The user is then to enter the "System Name:," followed by the "System Purpose:." The "Location^" field is a selection field, so the user enters the field with a double click or by pressing the insert key. The system now presents the "Select Location" window (Figure 23) to the user. In many cases the Area/Building/Room Number will be already listed in this selection window. If so, the user selects the location and then selects the "Process" icon. If, on the other hand, the location is not present in the list, then the user will select the "New" icon. Assuming that is the action taken, the system then presents the user with the "New Location" window (Figure 24). The first field in this window is "Area Type^." The user enters this field by double clicking on the field and is presented with the "Select Area Type" window (Figure 25). The user is to choose the security classification of the location area in which the computer system is located. If there are additional area types developed, the system administrator can add them to the list. When the area type is selected the user select the "Process" icon to return to the "New Location" window (Figure 24). The user then enters the "Area:," "Building:," and the "Room:." When this is complete, the user selects the "OK" icon. The system returns to the "Select Location" window (Figure 23). The new location is selected, so the user selects the "Process" icon and is returned to the "New System" window (Figure 22).

Figure 23. Select Location.

■ Security Edit Report Admin Options Help Exit 12:31:56

[■] Select Location

Select Location

New
Process
Done
Help

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```

■ Security Edit Report Admin Options Help Exit
12:31:56

[■]===== New Location =====
Area Type^ [ ]
Area: [ ]
Building: [ ]
Room: [ ]

[Ok]
[Cancel]
[Help]

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```

Figure 25. Select Area Type

The location is now in the field and the next field is "Organization Id^." The user enters the field with a double click. The system presents the "Select Organization Identification" window (Figure 26). If the desired organization is found on the list, the user can select it and then select "Process." If the desired organization is not found, the user will select the "New" icon, and the system will present the "New Organization Identification" window (Figure 27). The first field in this new window is "Facility^." Double clicking on the facility field will bring up the "Select Facility Identification" window (Figure 13). The possible operations for this field were discussed earlier. We will assume the user has successfully selected a facility for the organization being recorded here. The next two fields are entered by the user. The "Number:" field is the alphanumeric identifier that is used to identify the organization that controls the system being recorded. The "Name:" field is the English name for the organization. When this is complete, the user will select the "OK" icon to return to the "Select Organization Identification" window (Figure 26) with the organization selected. The user then selects "Process" to return to the "New System" window (Figure 22) with the organization Identification selection complete.

Figure 26. Select Organization Identification.

■ Security Edit Report Admin Options Help Exit 12:31:56

[■] Select Organization Identification

Select Organization Identification

<empty>

■ New ■

■ Process ■

■ Done ■

■ Help ■

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Figure 27. New Organization Identification.

■ Security Edit Report Admin Options Help Exit 12:31:56

[■] New Organization Identification

Facility Code^

Number:

Name:

Ok

Cancel

Help

F1 Help ALT-X Exit C4S Edit 97072

The next field is the "Classification Category^" field. It is a selection field, so when the user enters the field, the "Select Classification Category" window (Figure 28). The user selects the most restrictive classification category of information to be found on the system. Then the "Process" icon is selected, and the user is returned to the "New System" window (Figure 22) with the "Classification Category^" selection complete.

Figure 28. Select Classification Category.

■ Security Edit Report Admin Options Help Exit	12:31:56
<div style="border: 1px solid black; padding: 10px; margin: 10px auto; width: 80%;"> <div style="display: flex; justify-content: space-between; border-bottom: 1px solid black; margin-bottom: 10px;"> [■] Select Classification Category Process </div> <div style="display: flex;"> <div style="flex: 1;"> <div style="border: 1px solid black; padding: 5px; margin-bottom: 5px;">Select Classification Category</div> <div style="border: 1px solid black; padding: 10px; min-height: 150px;"> .. FRD:Formerly Restricted Data: NSI:National Security Information: RD:Restricted Data: </div> </div> <div style="flex: 0.2; text-align: center; border-left: 1px solid black; border-right: 1px solid black; padding: 0 5px;"> ▲ ■ ▼ </div> <div style="flex: 0.2; padding-left: 5px;"> <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;">Done</div> <div style="border: 1px solid black; padding: 2px;">Help</div> </div> </div> </div>	
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The next field is the "Classification Level^" field. It is a selection field, so when the user enters the field, the "Select Classification Level" window (Figure 29), the user selects the most sensitive classification level of information to be found on the system. Then the "Process" icon is selected, and the user is returned to the "New System" window (Figure 22) with the "Classification Level^" selection complete.

Figure 29. Select Classification Level.

The next field is the "Clearance Level^" field. It is a selection field, so when the user enters the field, the "Select Clearance Level" window (Figure 30) appears. The user selects the least sensitive clearance level of actual or potential individuals that are or will be allowed to use the system being documented. Then the "Process" icon is selected, and the user is returned to the "New System" window (Figure 22) with the "Clearance Level^" selection complete.

Figure 30. Select Clearance Level.

■ Security Edit Report Admin Options Help Exit 12:31:56

[■] Select Clearance Level

Select Clearance Level

0::
1:Q:
2:Q:
3:Q:
4:Top Secret:
5:L:
6:Secret:

Process
Done
Help

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The next four fields indicate the percentage of classified use. The assumption is that if the system is not in operation, it is not processing classified. Therefore, the unclassified field will include all times the system is shut down. The total of the four percentage fields is 100%. The final field is the "Protection Index:" field. The determination of the "Protection Index:" is discussed thoroughly in DOE Order 5639.6, *Classified Computer Security Program*, Chapter III Paragraph 5.b. When all fields are completed, the user selects the "OK" icon to complete the entry of the basic system information to the database. The system returns the user to the "Edit System" window (Figure 21). Sections 2.1.1.2, and 2.1.1.3 describe the addition of document and registry information for the security plan. The icons on the bottom of the "Edit System" window (Figure 21) lead to activities identical to the security plan documentation and registry, with the exception that the document and registry at this point refer to the system within the security plan. There is no reason to register the CSPM, CSOM, or CSSO again because it has been done in the facility or security plan registers. However, if there is a system user who is not authorized to use all systems in a security plan, then that person could be registered at this point. The status of individual systems in a security plan that contains multiple systems can be registered in the system registry also.

2.1.1.4.2. Adding Hardware Information

The discussion continues at the point the user selects the hardware icon on the "Edit System" window (Figure 21) to add hardware components to the system. Maintaining this information is a key element to providing configuration management for a classified computer system. When the "Hardware" icon is selected the "Edit Hardware" window (Figure 31) is presented to the user. On the top border of the window is information to aid in orienting the user. "SSSSSSSSSS" is the system that the hardware will be related too. "9999" is the facility number that the system belongs too. "AAA" is the facility abbreviation. "NNNNNNNNNNNNNNNNNNNN" is the security plan name that the system is associated with. If this is the first hardware item that is being entered, the list will show empty. If other hardware items have been assigned to this system, they will be listed at this point. We will assume that the user is adding a new hardware item and select the "New" icon. The first field on the "New Hardware" window (Figure 32) is the Selection field "Model^." The user enters the "Model^" window in the standard manner by pressing the "Insert" key or double clicking on the field. This will bring up the "Select Hardware Model" window (Figure 33). If the correct hardware type, model, and manufacturer is listed, the user will highlight the information and select "Process."

In this case, we will assume that correct hardware is not listed and will select "New." The system presents the user with the "New Hardware Model" window (Figure 34). The user enters the first selection field, "Manufacturer^." The system brings up the "Select Manufacturer Identification" window (Figure 35). Assuming the user does not find the manufacturer name listed in this window, the user presses on by selecting "New." The system brings up the "New Manufacturer Identification" window (Figure 36). The fields, "Abbreviation:" and "Name:," allow the user to fill in the abbreviation and name of the manufacturer being entered into the database. When this is accomplished, the user selects the "OK" icon and returns to the "Select Manufacturer Identification" window (Figure 35). The new manufacturer is already selected, the user selects "Process" to return to the "New Hardware Model" window (Figure 34) with the manufacturer selection completed. The next selection field is the "Type^" field. The user enters the "Type^" field with a double click. The system brings up the "Select Hardware Type" window (Figure 37). The user is to select the appropriate hardware type and then select the "Process" icon. If the proper hardware type does not appear in the list, the user can contact the Database Administrator and ask to have the hardware type added to the system. Selecting the "Process" icon returns the user to the previous window, the "New Hardware Model" window, (Figure 34). The last field to complete in this window is "Model:." The user enters the "Model:" of the hardware item, followed by selecting the "OK" icon. The system returns the user to the "Select Hardware Model" window (Figure 33) with the new hardware model selected. The user then selects the "Process" icon. The system returns the user to the "New Hardware" window (Figure 32) with the "Model^" field correctly selected.

Figure 31. Edit Hardware.

Security Edit Report Admin Options Help Exit
12:31:56

[.] SSSSSSSSS. | 9999-AAA.NNNNNNNNNNNNNNNNNNN. | Edit

Select Hardware

<empty>

New
Update
Delete
Browse
Retrieve
Done
Help

F1 Help ALT-X Exit C4S Edit
97072

Figure 32. New Hardware.

■ Security Edit Report Admin Options Help Exit		12:31:56
<div style="display: flex; justify-content: space-between; align-items: flex-start;"> <div style="width: 70%;"> <div style="border: 1px solid black; padding: 5px; margin-bottom: 5px;"> =[.]= SSSSSSSSS. 9999-AAA.NNNNNNNNNNNNNNNNNNN. New </div> <div style="display: flex;"> <div style="width: 60%;"> <div style="margin-bottom: 5px;"> Model^ <input style="width: 90%;" type="text"/> </div> <div style="margin-bottom: 5px;"> Loc^ <input style="width: 90%;" type="text"/> </div> <div style="margin-bottom: 5px;"> Serial Number: <input style="width: 60%;" type="text"/> </div> <div style="margin-bottom: 5px;"> Property Control Number: <input style="width: 40%;" type="text"/> </div> <div style="margin-bottom: 5px;"> Security Features: <input style="width: 30%;" type="text" value="No"/> </div> <div style="margin-bottom: 5px;"> Tempest Features: <input style="width: 30%;" type="text" value="No"/> </div> <div style="margin-bottom: 5px;"> Comments: <input style="width: 80%;" type="text"/> </div> </div> <div style="width: 35%; text-align: center; padding-top: 10px;"> <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px; width: 50px;">OK</div> <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px; width: 50px;">Cancel</div> <div style="border: 1px solid black; padding: 2px; width: 50px;">Help</div> </div> </div> </div> </div>		
F1 Help ALT-X Exit C4S Edit		97072

Figure 33. Select Hardware Model.

Figure 34. New Hardware Model.

■ Security Edit Report Admin Options Help Exit 12:31:56

[=] New Hardware Model

Manufacturer^		Ok
Type^		Cancel
Model:		Help

F1 Help ALT-X Exit C4S Edit 97072

Figure 35. Select Manufacturer Identification.

Security Edit Report Admin Options Help Exit
12:31:56

[.] Select Manufacturer Identification
Select Manufacturer Identification

<empty>

New

Process

Done

Help

F1 Help ALT-X Exit C4S Edit
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Figure 36. New Manufacturer Identification.

■ Security Edit Report Admin Options Help Exit
12:31:56

[]
New Manufacturer Identification

Abbreviation:

Name:

F1 Help ALT-X Exit C4S Edit
97072

Figure 37. Select Hardware Type.

■ Security Edit Report Admin Options Help Exit 12:31:56

[.] Select Hardware Type

Select Hardware Type

Disk Drive:
Plotter:
Printer:
Processor Cpu:
Tape Backup Unit:

Process
Done
Help

F1 Help ALT-X Exit C4S Edit 97072

The next field "Loc^" is the same as the "Location^" field discussed earlier. When the user double clicks on the "Loc^" field, the system brings up the "Select Location" window (Figure 23), and the methods for obtaining a proper location are the same as discussed before. The next field to be completed is the "Serial Number:" field. The user enters the manufacturer-supplied serial number. Following this the user enters the "Property Control Number:" if the hardware item has a property control number that has been assigned by a local property control representative. The "Security Features:" field is answered with a "Y" for yes or "N" for no when answering the question, "Does the hardware item have any special security features?" The "Tempest Features:" field is answered with a "Y" for yes or "N" for no when answering the question, "Does the hardware item have any special Tempest features?" Double clicking on the Question Field will toggle the Yes/No value. The "Comments:" field is for the user's use. When the user is satisfied with the entries, the "OK" icon is selected to complete the documentation of the new system. The program returns the user to the "Edit Hardware" window (Figure 31). The user may now do additional system work or return to the "Edit System" window (Figure 21) by selecting "Done."

2.1.1.4.3. Adding Software Information

The discussion continues at the point the user selects the "Software" icon to add software used by the specified system. When the "Software" icon is selected the "Edit Software" window (Figure 38) is presented to the user.

On the top border of the window is information to aid in orienting the user. "SSSSSSSSSS" is the system to which the software will be related. "9999" is the facility number to which the system belongs. "AAA" is the facility abbreviation. "NNNNNNNNNNNNNNNNNNNN" is the security plan name with which the system is associated. If this is the first software item that is being entered, the list will show empty. If other software items have been assigned to this system, they will be listed at this point. We will assume that the user is adding a new software item and select the "New" icon. The first field on the "New Software" window (Figure 39) is the Selection field "Software Id^." Upon entering this field by double clicking, the program presents the "Select Software Identification" window (Figure 40). If the correct software type, identification, and manufacturer is listed, the user will highlight the information and select "Process." In this case, we will assume that correct software is not listed, and the user will select "New." The system presents the user with the "New Software Identification" window (Figure 41). The first selection field, "Manufacturer^," was discussed earlier. The reference figure is the "Select Manufacturer Identification" window (Figure 35). We will assume the user has completed selecting the manufacturer. The next field is a selection field "Software Type^." Double clicking on the field will bring up the "Select Software Type" window (Figure 42). The user will select from the listed software types and the select "Process" to return to the "New Software Identification" window (Figure 41). If the proper software type does not appear in the list, the user can contact the Database Administrator and ask to have the software type added to the system. The last field in this window is the "Package Name:" window. The user fills in the name of the software package and then selects the "OK" icon. This returns the user to the "Select Software Identification" window (Figure 40) with the correct software selected. The user then selects the "Process" icon. The program then returns the user to the "New Software" window (Figure 39).

Figure 38. Edit Software.

Security Edit Report Admin Options Help Exit
12:31:56

[=] SSSSSSSSS. | 9999-AAA.NNNNNNNNNNNNNNNNNNN. | Edit
Select Software

<empty>

New
Update
Delete
Browse
Retrieve
Done
Help

F1 Help ALT-X Exit C4S Edit
97072

Figure 39. New Software.

■ Security Edit Report Admin Options Help Exit		12:31:56
[.] = SSSSSSSSSS. 9999-AAA.NNNNNNNNNNNNNNNNNNN. New		
Software Id^	<input type="text"/>	<input type="button" value="OK"/>
Serial Number:	<input type="text"/>	<input type="button" value="Cancel"/>
Software Control Number:	<input type="text"/>	<input type="button" value="Help"/>
Security Features:	<input type="text" value="No"/>	
Comments:	<input type="text"/>	

F1 Help ALT-X Exit C4S Edit 97072

Figure 40. Select Software Identification.

Figure 41. New Software Identification.

■ Security Edit Report Admin Options Help Exit
12:31:56

[=]
New Software Identification

Manufacturer^
Software Type^
Package Name:

Ok
Cancel
Help

F1 Help ALT-X Exit C4S Edit
97072

Figure 42. Select Software Type.

■	Security Edit Report Admin Options Help Exit	12:31:56
---	--	----------

[■] Select Software Type

Select Software Type

Application System:
Back Up:
Communications:
Compiler:
Coprocessor:
Database Management:
Disk Interface:
Graphics:
Memory Expander:
Mouse Driver:

Process

Done

Help

F1 Help ALT-X Exit C4S Edit
97072

The user is now ready to enter the software package "Serial Number:" that has been given it by the manufacturer. The next field, "Software Control Number:," is the number given the software by a local software control representative. The "Security Features:" field is answered with a "Y" for yes or "N" for no when answering the question, "Does the software package have any special security features?" Double clicking on the Question Field will toggle the Yes/No value. The "Comments:" field is for the user's use. When the user is satisfied with the entries, the "OK" icon is selected to complete the documentation of the new software package being used by the system specified. The program returns the user to the "Edit Software" window (Figure 38). The user may now do additional software work or return to the "Edit System" window (Figure 21) by selecting "Done."

2.1.1.4.4. Adding Network Information

A computer system can belong to zero, one, or many networks. The last icon on the bottom of the "Edit System" window (Figure 21) is "Network." This icon will allow the user to identify networks that are associated with a specified computer system. When the user selects the "Network" icon the C⁴S program presents the "Edit System Network" window (Figure 43). The assumption is that the user is identifying a new network affiliation, so the next step is to select the "New" icon. This action brings the "New System Network" window (Figure 44). The field in this window is a selection field called "Network Plan^." The user enters the field by double clicking, and the C⁴S program

presents the "Select Network Plan" window (Figure 45). If the network that is being affiliated to the system is listed, the user would select the network plan and then the "Process" icon. We will assume that network is not listed and select the "New" icon to create the new network plan. Following this action the C'S program presents the "New Network Plan" window (Figure 46). Double clicking on the facility field will bring up the "Select Facility Identification" window (Figure 13). Selecting a facility has been discussed in detail earlier. However, it must be noted that the facility to which the system belongs is not necessarily the facility that is to be selected in this case. The facility that is to be selected is the facility that controls the network plan. The system could be only a node on a national level system for instance. If the facility needed is not in the database, the user can contact the database administrator to have it entered. The remaining fields in this window are filled in. The "Net Plan Name:" window would be the title of the network plan. The "Revision:" is the revision of the network plan. "Under Development:" is a yes/no field to indicate if the plan is being revised. The "Net Name:" is the common name used for the network. When the information is filled in to the user's satisfaction, the user selects the "OK" icon and is returned to the "Select Network Plan" window (Figure 45) with the new plan already selected. The user selects the "Process" icon and is returned to the "New System Network" window (Figure 44). The user then selects the "OK" icon and is returned to the "Edit System Network" window (Figure 43) with the network affiliated to the system. At this point the user can do more network affiliations for this system or select the "Done" icon to return to the "Edit System" window (Figure 21).

Figure 43. Edit System Network:

■ Security Edit Report Admin Options Help Exit
12:31:56

[■]===== SSSSSSSSSS. | 9999-AAA.NNNNNNNNNNNNNNNNNNNNN. | Edit

Select System Networks

<empty>

▲

▼

New

Update

Delete

Browse

Retrieve

Done

Help

F1 Help ALT-X Exit C4S Edit
97072

Figure 44. New System Network.

Security Edit Report Admin Options Help Exit
12:31:56

[] SSSSSSSSS | 9999-AAAA.NNNNNNNNNNN. | New System N

Network Plan^

OK
Cancel
Help

F1 Help ALT-X Exit C4S Edit
97072

Figure 45. Select Network Plan.

Figure 46. New Network Plan.

■ Security Edit Report Admin Options Help Exit		12:31:56
[=] New Network Plan		
Facility^	<input type="text"/>	<input type="button" value="Ok"/>
Net Plan Name:	<input type="text"/>	<input type="button" value="Cancel"/>
Revision:	<input type="text"/>	<input type="button" value="Help"/>
Under Development:	<input type="text" value="No"/>	
Net Name:	<input type="text"/>	
F1 Help ALT-X Exit C4S Edit		
		97072

2.1.1.5. Update Information

The "Edit Security Plan" window (Figure 6) is a good example of a window that has an "Update" icon. In this case, if the user selected a security plan and then selected the "Update" icon, the C⁴S program presents the "Update Security Plan" window (Figure 47). The "Update Security Plan" window is identical to the "New Security Plan" window (Figure 8), with the exception that it has already gotten information placed in the fields from the selected security plan. The user working with the "Update Security Plan" window can now modify any information about the basic security plan as needed. If the changes are acceptable, the user selects the "OK" icon, and the changes are saved. If the changes are not acceptable, then the user selects the "Cancel" icon, and the changes are not saved. This mode of operation is used throughout the C⁴S program.

Figure 47. Update Security Plan.

■ Security Edit Report Admin Options Help Exit		12:31:56
[=] 0620-WHC. Update Security Plan		
Plan Name:	<input type="text"/>	<input type="button" value="OK"/>
Revision Number:	<input type="text"/>	<input type="button" value="Cancel"/>
Under Development:	<input type="text"/>	<input type="button" value="Help"/>
F1 Help ALT-X Exit C4S Edit		
97072		

2.1.1.6. Delete Information

The "Edit Security Plan" window (Figure 6) is a good example of a window that has a "Delete" icon. In this case, if the user selected a security plan and then selected the "Delete" icon, the C'S program Starts deleting the plan and all information pertaining to the plan. However, instead of ruthlessly deleting the associated information, the program presents it to the user for the user to delete. If the user discovers some information that is not to be deleted, the entire operation is aborted. This method of operation is used throughout the program.

2.1.1.7. Browse Information

The "Edit Security Plan" window (Figure 6) is a good example of a window that has an "Browse" icon. In this case, if the user selected a security plan and then selected the "Browse" icon, the C'S program presents the "Browse Security Plan" window (Figure 48). The "Browse Security Plan" window is identical to the "New Security Plan" window (Figure 8), with the exception that it already has information placed in the fields from the selected security plan. Also the icons available to the user are different. The user has a "Next" icon. Selecting this icon will cause the next security plan to appear in the window. The user can select the "Prev" icon to return to the

original security plan. If the user is at either end of the list, the computer gives a beep to show it is at the end and cannot go in the direction indicated by the user. The user selects the "Done" icon to return to the previous window. This mode of operation is used throughout the C⁴S program.

Figure 48. Browse Security Plan.

■ Security Edit Report Admin Options Help Exit 12:31:56

[=] 0620-WHC. | Browse Security Plan

Plan Name:

Revision Number:

Under Development:

Next
Prev
Done

F1 Help ALT-X Exit C4S Edit 97072

2.1.1.8. Retrieve Information

The "Edit Security Plan" window (Figure 6) is a good example of a window that has an "Retrieve" icon. In this case, if the user selected a security plan and then selected the "Retrieve" icon, the C⁴S program presents the "Restore Security Plan" window (Figure 49) if there is information that has previously been deleted. The "Restore Security Plan" window is identical to the "Edit Security Plan" window (Figure 6), with the exception that it has the names of security plans that have been deleted. Also the icons available to the user are different. The user has a "Browse" icon. Selecting this icon will cause the basic security plan information to appear in the next window. The user can select the "Prev" icon to return to the original security plan. If the user is at either end of the list, the computer gives a beep to show it is at the end and cannot go in the direction indicated by the user. The user selects the "Done" icon to return to the previous window. When a selection is made, the user can select the "Restore" icon to complete the process. This mode of operation is used throughout the C⁴S program.

Figure 49. Restore Security Plan.

2.1.2. Edit Supporting Tables

The second Edit Command is Supporting Tables (Figure 5). When Supporting Tables is selected the C⁴S program presents the user with a list of supporting tables that can be accessed (Figure 50). There are 20 tables in all. Three of the tables are only accessible from the Admin Menu. Seven of the tables (AllDoc, HwrModel, Loc, MfgId, OrgId, PerId, and SwrId) can be modified, added too, or deleted from by the user. The user can only Browse or select the other tables. We will use the "AllDoc" table as an example of how to operate on tables that can be modified. The user selects the desired table (in this example AllDoc) then selects the "Process" icon. The C⁴S program presents the user with the "Edit All Documents" window (Figure 51). The user then has the option to add a new document, update an existing document, or delete a document. If the user selects the "New" icon, the C⁴S presents the "New All Documents" window (Figure 13). If the user selects the "Update" icon, the C⁴S program presents the user with the "Update All Documents" window (Figure 52). The "New All Documents" and "Update All Documents" windows are identical with exception of the title and the fact that the existing information is present for the "Update All Documents" window. Actions to add or modify information are the same or similar to the earlier discussion about the "New All Documents" window (Figure 12). When the user is has finished data entry or modification the "Process" icon will bring the user back to the "Edit All Documents" window (Figure 51). At this point more documents can be created, modified, or deleted. When this activity is completed, the user

selects the "Done" icon to return to the Select Support Table window (Figure 50). At that point, another support table could be selected or the user could return to the main menu and start further activities.

Figure 50. Select Supporting Table.

■ Security Edit Report Admin Options Help Exit 12:31:56

[■] Table

Select Table

AllDoc
AreaType
ClassCat
ClassLvl
ClearLvl
DocType
HwrModel
Loc

Process
Done
Help

F1 Help ALT-X Exit C4S Edit 97072

Figure 51. Edit All Documents.

Figure 52. Update All Documents.

■ Security Edit Report Admin Options Help Exit		12:31:56
<div style="border: 1px solid black; padding: 10px; margin: 10px auto; width: 80%;"> <div style="display: flex; justify-content: space-between; align-items: center; border-bottom: 1px solid black; padding-bottom: 5px;"> [=] Update All Documents </div> <div style="display: flex; justify-content: space-between; align-items: flex-start; padding-top: 10px;"> <div style="width: 65%;"> <p>Facility^ <input style="width: 90%;" type="text"/></p> <p>Type^ <input style="width: 90%;" type="text"/></p> <p>Number: <input style="width: 50%;" type="text"/></p> <p>Date: <input style="width: 30%;" type="text"/></p> <p>Description: <input style="width: 90%;" type="text"/></p> </div> <div style="width: 30%; text-align: right; padding-right: 10px;"> <input style="width: 100px; height: 25px;" type="button" value="OK"/> <input style="width: 100px; height: 25px;" type="button" value="Cancel"/> <input style="width: 100px; height: 25px;" type="button" value="Help"/> </div> </div> </div>		
F1 Help ALT-X Exit C4S Edit		97072

3.0 C⁴S REPORT COMPONENT

After the user has logged into the C⁴S Report Component, the Report command is activated. This command allows the user to print many variations of reports to aid in management of classified computers.

3.1. Report Command

One Report Command is available to the user. It is Security Plan (Figure 53). Security Plan allows the user to work with the database on a basis of facility, security plan(s), or systems within selected security plans.

Figure 53. Report Pull-Down Menu.

■ Security Edit Report Admin Options Help Exit	12:31:56
Security Plan	
F1 Help ALT-X Exit C4S Report	
97072	

3.1.1. Report Security Plan

When Security Plan is selected, the C⁴S Reports window (Figure 54) is presented to the user. There are three distinct types of selections to be made to tailor the report. The first selection is "Reports." The user can select one or more reports to be accomplished simultaneously. The Security Plan report is the report of the data in the database as it relates to security plan(s). The [X] indicates that the security plan report is the default. Security Review Report lists when the security plans are up for review. Results of this report are based on the "Security Review" date placed in the System Register. The Contingency Review report lists when security plans are up for contingency plan review. Results of this report are based on the "Contingency Review" date placed in the System Register. The final report is the "List CSSO" report. This report lists the CSSOs and alternate CSSOs that are identified in the system register. It also lists the custodian that is identified in the system register and the accreditation date if it is listed in the security plan register. Accreditation can be blank, "Accredited Fully," or "Accredited Temp." Formats for the four reports are found in Appendices A through D.

The Second major area for tailoring is the "Include" area. This tells C⁴S what information about a security plan is desired. The default is to develop a report with all information about security plans that are not under development.

The third and final tailoring area determines what will be done with the information. The default is to send the report to the printer. In addition, the report can be sent to disk on the user's local computer. Also, there is an option to send the data to a Paradox¹ table on the user's local computer. The data will be added to the information currently in the table unless the "Reset Data on Disk" selection is made.

There are icons on the bottom of the window to assist in scoping the span of information to be placed in the report. Selecting the "Facility" icon will bring the "Selections List Popup Window" (Figure 7) into view. The user can then add/remove the facility(ies) that are to be included. This selection also resets any previously selected security plans and systems. The icon for "Plan" uses the same "Selections Popup Window;" however, only Security Plans are allowed to be selected. This selection also resets any previously selected systems. When a specific security plan is selected the parameters in the "Include" section "All But Under Development," and "Under Development" are ignored. If at least one Security Plan has been selected, the "System" icon becomes available. Accessing this icon allows a selection of systems contained within the selected Security Plan(s). If a System is selected only information about the selected system(s) will be reported. If a Security Plan is selected, only information about the Plan and associated systems will be reported. If a facility is selected, all security plans and associated systems information will be reported.

The "Report" icon executes the report activity. The "Done" icon allows the user to return to the main menu. The "Help" icon provides context sensitive help.

¹Paradox is a trademark of Borland International, Inc.

Figure 54. Report Selection Window.

■ Security Edit Report Admin Options Help Exit		12:31:56
[=] C4S Reports		
Reports	Include	Report
[X] Security Plan	[X] Facility Register	
[] Security Review	[X] Security Plan Documents	Done
[] Contingency Review	[X] Security Plan Register	
[] List CSSO	[X] Systems	Help
	[X] System Documents	
Output	[X] System hardware	
[X] Print Report	[X] System Networks	
[] Save Report	[X] System Register	
[] Data to Disk	[X] System Software	
[] Reset Data on Disk	[X] All But Under Development	
	[] Under Development	
Facility Plan System		

F1 Help ALT-X Exit C4S Report 97072

4.0 REFERENCES

DOE, 1992, *Classified Computer Security Program*, DOE Order 5639.6, U.S. Department of Energy, Washington, D.C.

WHC, 1994, *Classified Computer Configuration Control System (C⁴S, Revision 3, Database Administrator's Guide*, WHC-SP-1090, Westinghouse Hanford Company, Richland, Washington.

APPENDIX A

C's for Office: SP-1

Facility: SP-2 - SP-3

Computer System Security Report

Security Plan: SP-4

Revision: SP-5 Under Development: SP-6

```

FacilityRegister-----
<-----Register Type-----> <--Date--> <Title> <Employee> <-----Name-----> <MSIN> <Work Phone>
SP-7                               SP-8       SP-9       SP-10       SP-11       SP-12 SP-13

SecurityPlanRegister-----
<-----Register Type-----> <--Date--> <Title> <Employee> <-----Name-----> <MSIN> <Work Phone>
SP-14                               SP-15       SP-16       SP-17       SP-18       SP-19 SP-20

SecurityPlanDocuments-----
<--Document Type--> <--Date--> <-----Number-----> <-----Description----->
SP-21                SP-22        SP-23                SP-24

System-----
<System Name> <Org> <Class> <Cat> <Clr> P <-----Location-----> <Area Type> <UnCl> <Conf> <Sec> <TSec> <Tot>
SP-25          SP-26 SP-27 SP-28 SP-29 SP-30       SP-31                SP-32       SP-33 SP-34 SP-35 SP-36 SP-37

SystemRegister-----
<-----Register Type-----> <--Date--> <Title> <Employee> <-----Name-----> <MSIN> <Work Phone>
SP-38                               SP-39       SP-40       SP-41       SP-42       SP-43 SP-44

SystemNetworks-----
<-----Net Name-----> <-----Plan Name-----> <Rev> <Dev> <Contractor>
SP-45                SP-46                SP-47 SP-48 SP-49

SystemDocuments-----
<--Document Type--> <--Date--> <-----Number-----> <-----Description----->
SP-50                SP-51        SP-52                SP-53

SystemHardware-----
<--Hardware Type--> <Company> <-----Model Name-----> <SF> <TF> <--Serial Number--> Control <-----Location----->
SP-54                SP-55        SP-56                SP-57 SP-58 SP-59       SP-60 SP-61

SystemSoftware-----
<--Software Type--> <Company> <-----Package Name--> <SF> <--Serial Number--> <--Control Number-->
SP-62                SP-63        SP-64                SP-65 SP-66       SP-67
*****

```

DESIGNATOR	INFORMATION TYPE	REMARKS
Heading		
SP-1	Responsible Office/Area	Area only included if different from Office.
SP-2	Facility Code	
SP-3	Contractor	
SP-4	Security Plan Identification	
SP-5	Security Plan Revision Number	
SP-6	Under Development?	
Facility Register		
SP-7	Register Type	
SP-8	Date of Registry	
SP-9	Registrar's Title	
SP-10	Registrar's Employee Number	
SP-11	Registrar's Name	
SP-12	Registrar's MSIN	Internal Mail Stop
SP-13	Registrar's Work Phone	
Security Plan Register		
SP-14	Register Type	
SP-15	Date of Registry	
SP-16	Registrar's Title	
SP-17	Registrar's Employee Number	
SP-18	Registrar's Name	
SP-19	Registrar's MSIN	Internal Mail Stop
SP-20	Registrar's Work Phone	
Security Plan Documents		
SP-21	Document Type	
SP-22	Document Date	
SP-23	Document Number	
SP-24	Document Description	

System		
SP-25	Computer System Name	
SP-26	Controlling Organization	
SP-27	System Highest Classification	
SP-28	System Highest Category	
SP-29	Lowest Clearance for User	
SP-30	Protection Index	
SP-31	Location	Includes Area, Building, and room.
SP-32	Area Type Abbreviation	
SP-33	Percent of Unclassified Processing	
SP-34	Percent of Confidential Processing	
SP-35	Percent of Secret Processing	
SP-36	Percent of Top Secret Processing	
SP-37	Total of Percentages	
System Plan Register		
SP-38	Register Type	
SP-39	Date of Registry	
SP-40	Registrar's Title	
SP-41	Registrar's Employee Number	
SP-42	Registrar's Name	
SP-43	Registrar's MSIN	Internal Mail Stop
SP-44	Registrar's Work Phone	
System Networks		
SP-45	Network Name	
SP-46	Network Plan Name	
SP-47	Network Plan Revision Number	
SP-48	Under Development?	
SP-49	Contractor Responsible for Network	
Security Plan Documents		
SP-50	Document Type	
SP-51	Document Date	
SP-52	Document Number	
SP-53	Document Description	
System Hardware		
SP-54	Hardware Type	
SP-55	Manufacturer	
SP-56	Hardware Model Number	
SP-57	Special Security Features?	
SP-58	TEMPEST Features?	
SP-59	Hardware Serial Number	
SP-60	Property Control Number	
SP-61	Location	Includes Area, Building, and room.
System Software		
SP-62	Software Type	
SP-63	Manufacturer	
SP-64	Software Package Name	
SP-65	Special Security Features?	
SP-66	Software Serial Number	
SP-67	Software Control Number	

APPENDIX B

C4S for Office: SR-1

Facility: SR-2 - SR-3

Computer System Security Review Report

 <Status-> <Due Date> <-----Location-----> <-----CSSO-----> <-----Security Plan---->
 <Dev> <-----System----->
 SR-4 SR-5 SR-6 SR-7 SR-8
 SR-9 SR-10

<u>DESIGNATOR</u>	<u>INFORMATION TYPE</u>	<u>REMARKS</u>
SR-1	Responsible Office/Area	Area only included if different from Office.
SR-2	Facility Code	
SR-3	Contractor	
SR-4	Status of Review	Blank, "Due Now," or "Over due."
SR-5	Next review Due	
SR-6	Location	Includes Area, Building, and room.
SR-7	CSSO	CSSO Alternate on next line if any.
SR-8	Security Plan Identification	
SR-9	Under Development?	
SR-10	Computer System	

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APPENDIX C

C4S for Office: CR-1

Facility: CR-2 - CR-3

Computer System Contingency Review Report

 <Status-> <Due Date> <-----Location-----> <-----CSSO-----> <---Security Plan--->
 <Dev> <---System--->
 CR-4 CR-5 CR-6 CR-7 CR-8
 CR-9 CR-10

<u>DESIGNATOR</u>	<u>INFORMATION TYPE</u>	<u>REMARKS</u>
CR-1	Responsible Office/Area	Area only included if different from Office.
CR-2	Facility Code	
CR-3	Contractor	
CR-4	Status of Review	Blank, "Due Now," or "Over due".
CR-5	Next review Due	
CR-6	Location	Includes Area, Building, and room.
CR-7	CSSO	CSSO Alternate on next line if any.
CR-8	Security Plan Identification	
CR-9	Under Development?	
CR-10	Computer System	

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APPENDIX D

C4S for Office: LC-1

Facility: LC-2 - LC-3

Computer System CSSO Report

```

-----
<--Security Plan--> <Dev> <---System---> <---CSSO *Alt CSSO---> <---Phone---> <-----Custodian----->
<-----Location-----> <-Area-> <-Cat-> <Accredit>
LC-4 LC-5 LC-6 LC-7 LC-8 LC-9 LC-10
LC-11 LC-12 LC-13

```

<u>DESIGNATOR</u>	<u>INFORMATION TYPE</u>	<u>REMARKS</u>
LC-1	Responsible Office/Area	Area only included if different from Office.
LC-2	Facility Code	
LC-3	Contractor	
LC-4	Security Plan Identification	
LC-5	Under Development?	
LC-6	Computer System	
LC-7	CSSO	CSSO Alternate on next line if any.
LC-8	Work Phone	
LC-9	System Custodian	
LC-10	Location	Includes Area, Building, and room.
LC-11	Area Type Abbreviation	
LC-12	Highest Category	
LC-13	Accredited	Blank or "Accreditation Date".

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