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# Data Collection System (DCS) 3000

## User Guide

### Chapter 3

Software Version Numbers: Client V 4.8y1

## Using the DCS Client

The DCS Client application was developed to enable Law Enforcement Agencies (LEAs) to collect data for Court-approved surveillance operations. [REDACTED]

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b7E

ALL INFORMATION CONTAINED  
HEREIN IS UNCLASSIFIED  
DATE 05-22-2007 BY 65179 DMH/TAM/KSR/cb

The settings and functions of the Client are presented in the following sections:

- Working in the Client Window
- Setting up a Collection
- Setting up a Specialized Collection
- Establishing a Connection
- Modifying and Removing Warrants
- Monitoring and Recording Calls
- Storing and Printing Target Data Files
- Suspending Target Surveillance
- Shutting Down the Client
- Client Hotkeys
- Quick Steps

## **Working in the Client Window**

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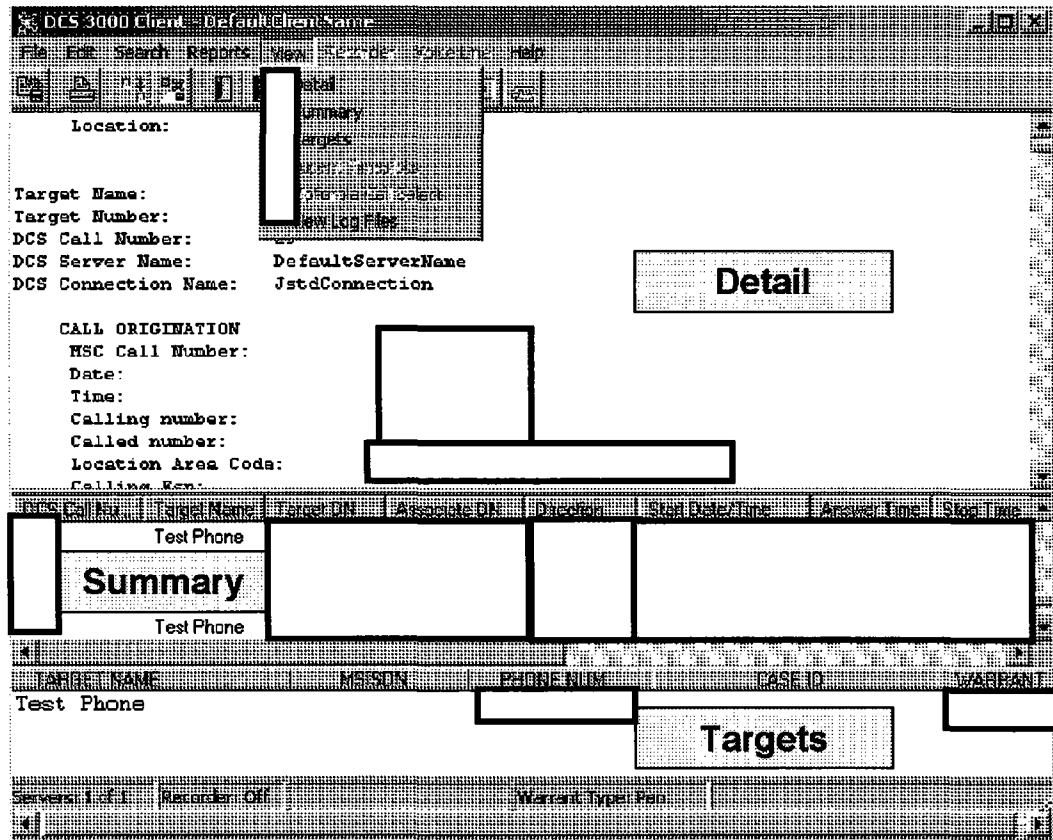
This section covers steps for working in the Client window. These functions are found under the Edit, Search and View menus in the Client's main window:

- Changing the Display
- Clearing the Screen
- Using the Find Feature
- Selecting and Copying Data

## Changing the Display



b2  
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b2  
b6  
b7C  
b7E

Figure 3-1: Client Window With Detail, Summary, and Targets Sections Displayed



b2  
b7E

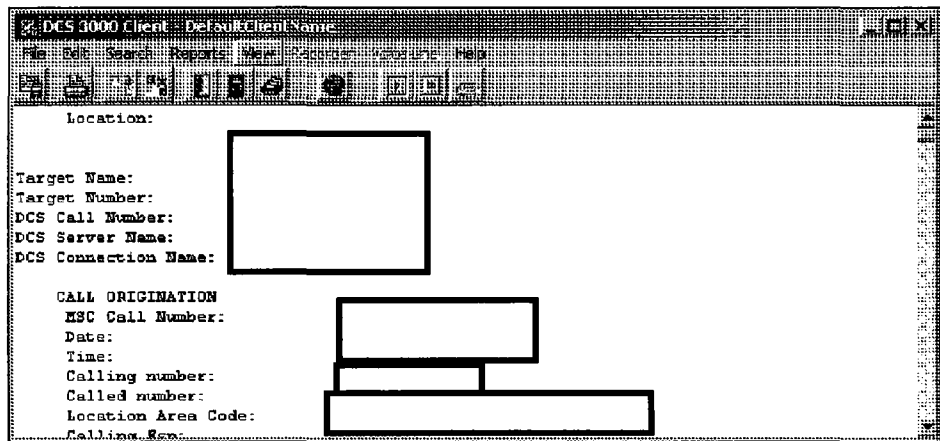
b2  
b7E



**To show or hide message details:**

b2  
b7E

1.



b2  
b6  
b7C  
b7E

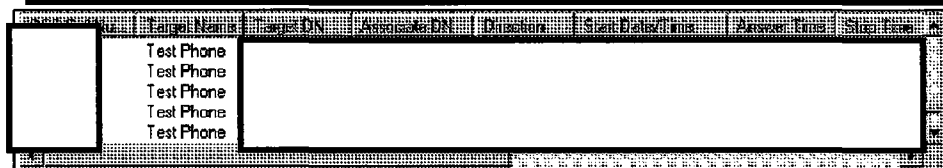
2. To hide the Detail section, repeat Step 1.



**To show or hide message summaries:**

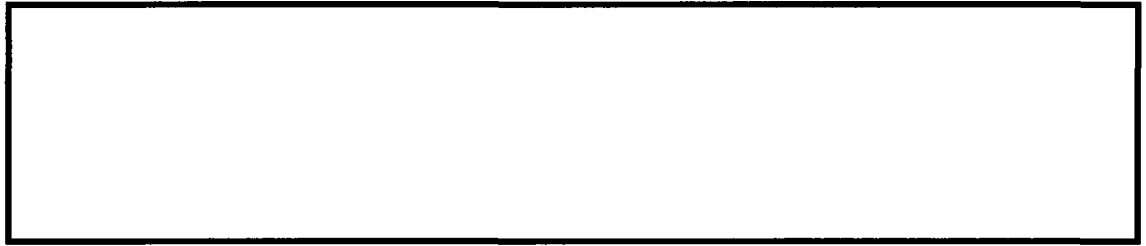
b2  
b6  
b7C  
b7E

1. **Select View Summary**



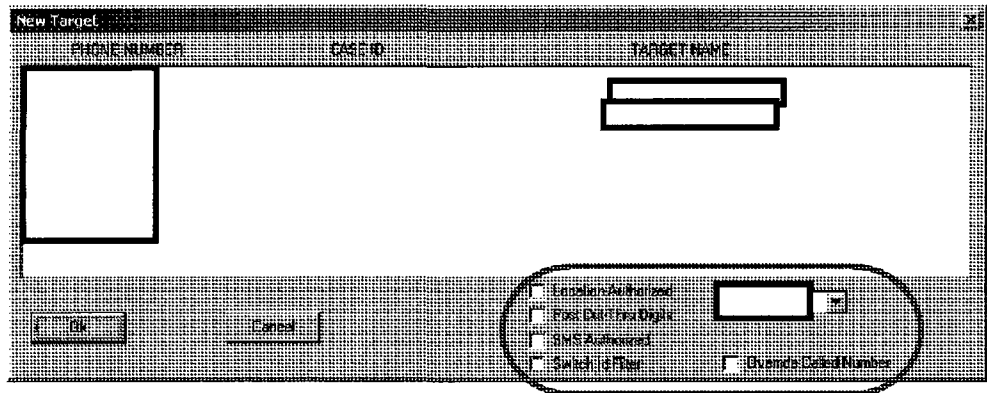
2. To hide the Summary section, repeat Step 1.

b2  
b7E



To show detailed information in the summary window:

b6  
b7C



b2  
b7E

b2  
b7E

1.



Start Date/Time	Answer Time	Sign Time	Duration	DIME Data	Start Path
[Redacted Content]					

Note:



b2  
b7E

2.

[Redacted]

b2  
b6  
b7C  
b7E

SEARCH DATE/TIME	ARRIVAL TIME	QUANTITY	TO/FR	INTERMEDIATE	SEARCH ID
[Redacted]					

Note:

[Redacted]

b2  
b7E

3.

[Redacted]



To show or hide targets:

1.

[Redacted]

TARGET NAME	MOISDN	PHONE NUM	CASE ID	WARRANT
[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]
Search List	Recorder On	Warrant Type	Exp	

b2  
b6  
b7C  
b7E

2.

[Redacted]

[Redacted]

[Redacted]

[Redacted] "Switch and Workstation Options" section of Chapter 2.

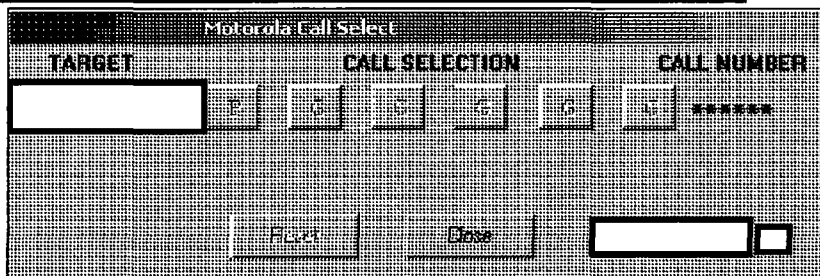


**To show or hide the Motorola Call Select window:**

1.

[Redacted input field]

b2  
b7E



2.

[Redacted input field]

Note:

[Redacted text area]



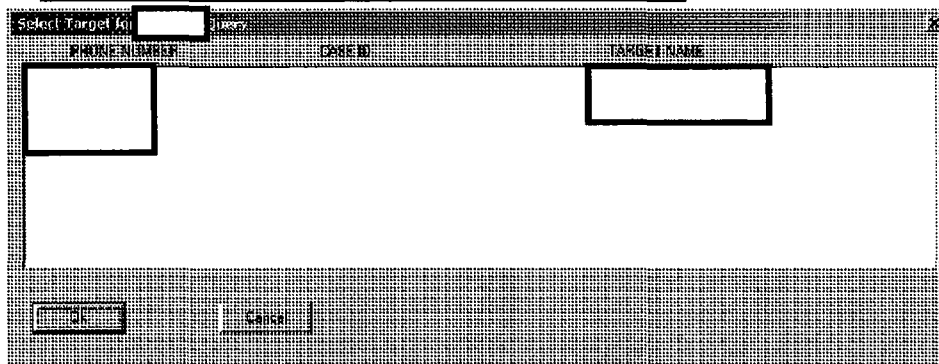
**To view the Bull's Eye information:**

b2  
b7E

1.

[Redacted input field]

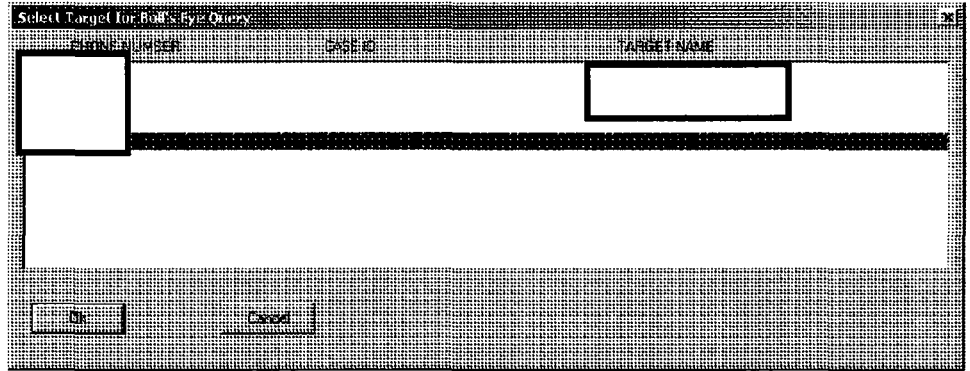
b6  
b7C



b2  
b7E

2. [Redacted]

b6  
b7C



3. [Redacted]

b2  
b7E

Note:

[Redacted]

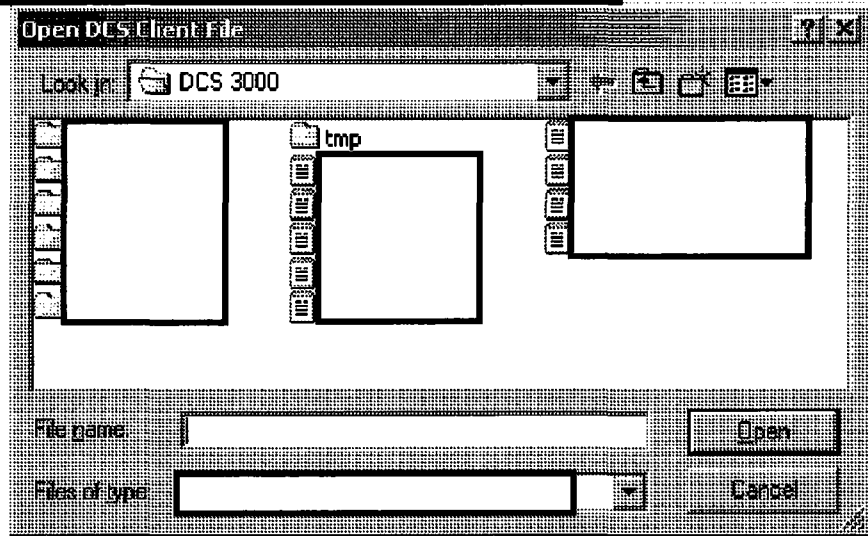
[Redacted]



**To view the log files:**

1.

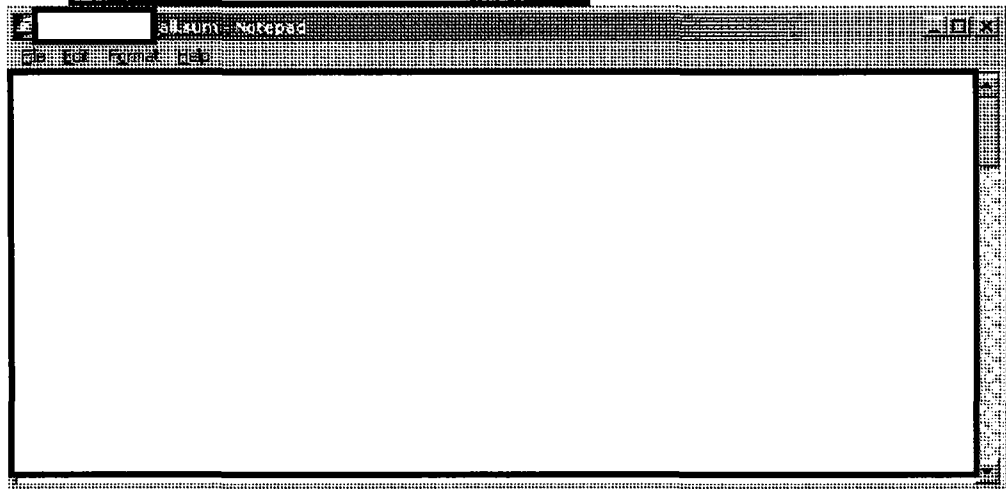
b2  
b6  
b7C  
b7E



2.

3.

b2  
b6  
b7C  
b7E



4.

## Clearing the Screen



b2  
b7E



**To clear detail messages from the screen:**



**To clear summary messages from the screen:**



b2  
b7E

## Using the Find Feature

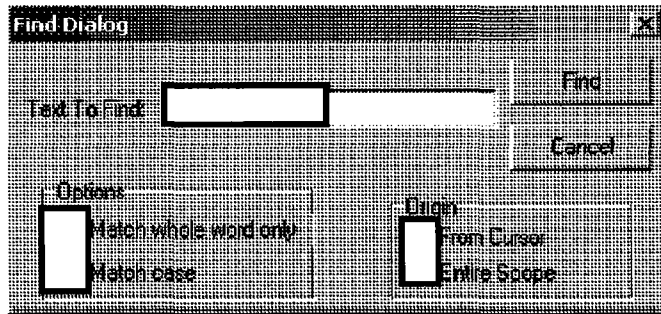
b2  
b7E



To search for a word, number, or phrase:

1.

b2  
b7E



2.

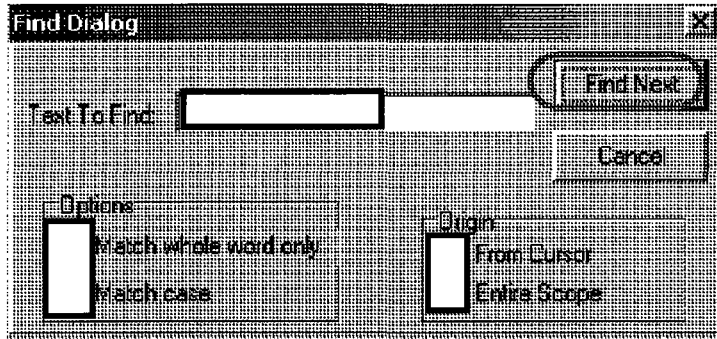
3.

4.

5.



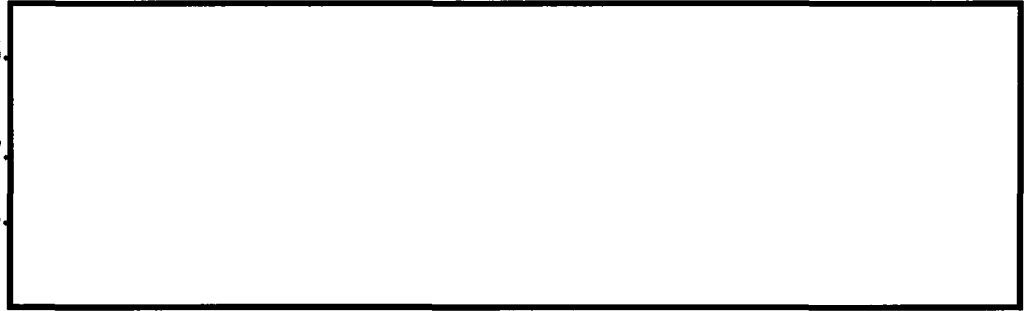
b2  
b7E



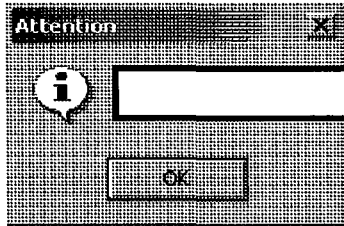
6.

7.

8.



b2  
b7E



9.



## Selecting and Copying Data



### To copy a text selection:

- 1.
- 2.

Note:



b2  
b7E



### To copy all text:

- 1.
- 2.

Note:



b2  
b7E

## Setting up a Collection

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Procedures for setting up the Client to perform surveillance are included in this section. Steps for setting up the various types of collections are similar for Pen Register, Title 3, and Cooperative Warrants. [redacted]

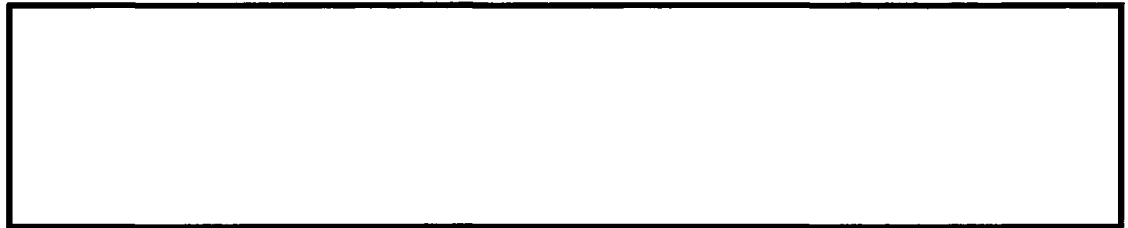
b2  
b7E

[redacted]  
[redacted]  
[redacted]

To set up a Pen Register, Title 3, or Cooperative Warrant collection, [redacted]

[redacted]  
[redacted]  
[redacted]  
[redacted]

## Pen Register Collection



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b7E

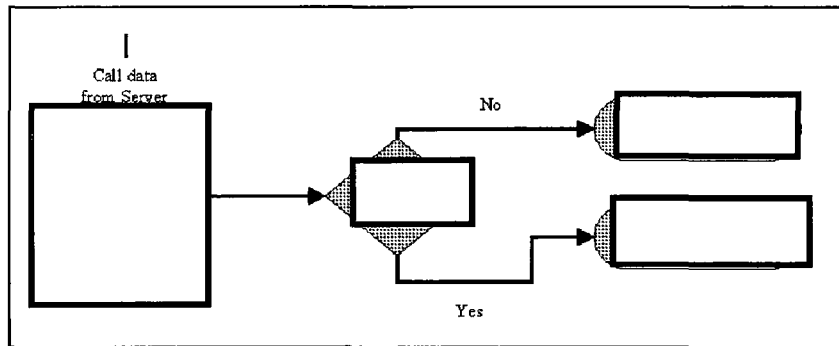


Figure 3-2: Data Flow - Pen Register Collections

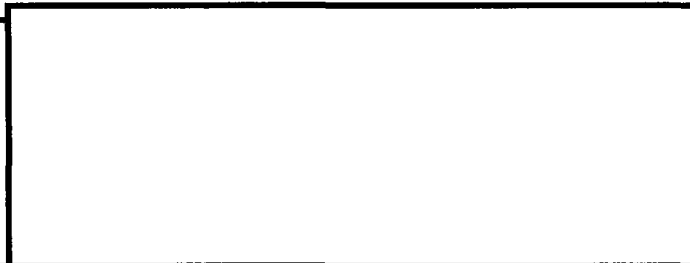
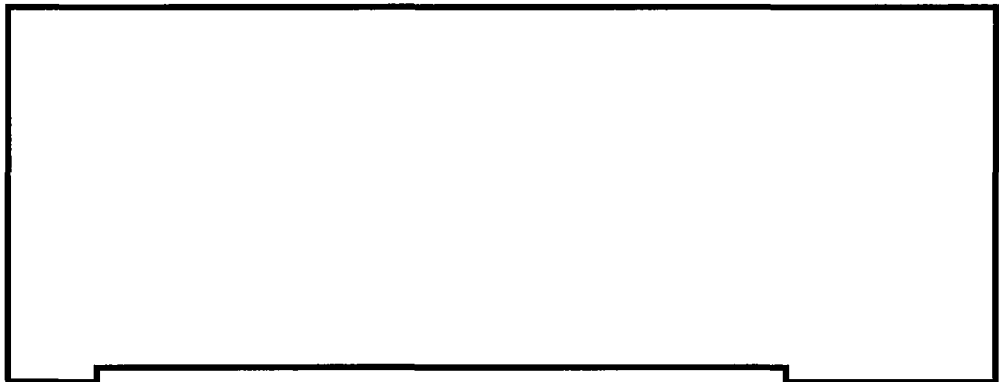
**Configure the Client**



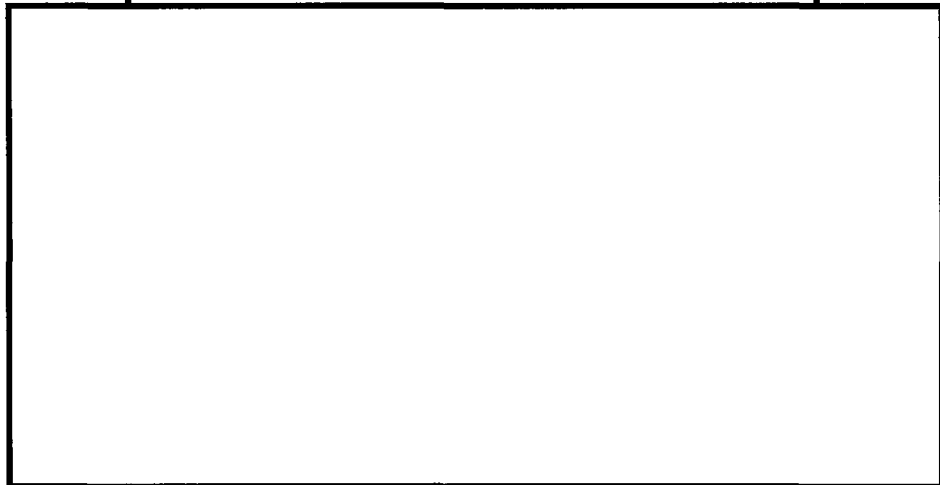
b2  
b7E



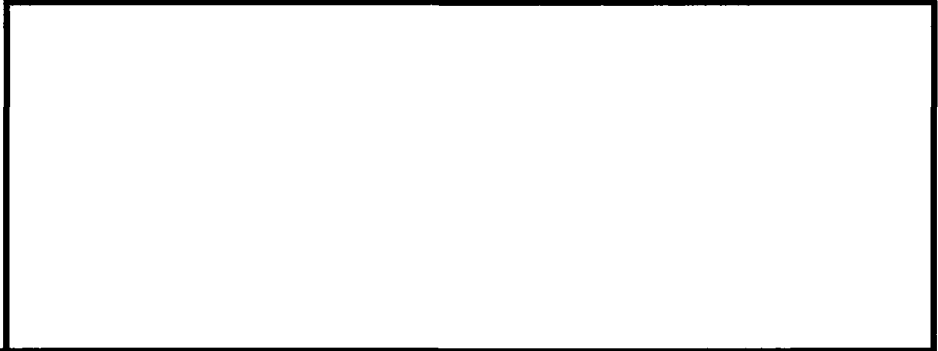
**To configure the Client for Pen Register Collection:**



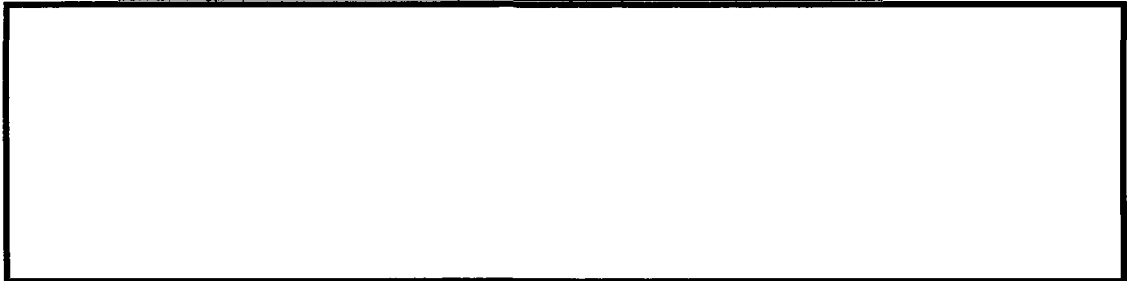
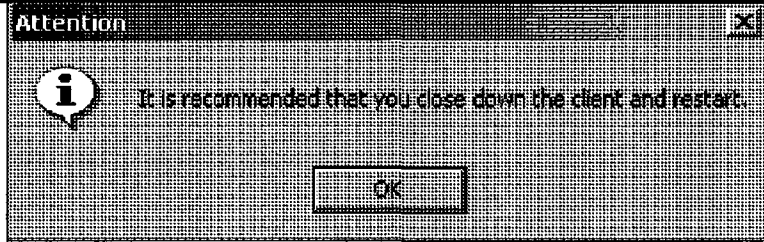
b2  
b7E



9.

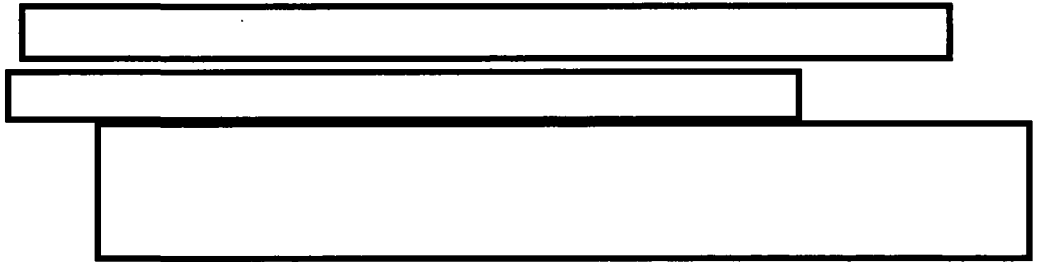


b2  
b7E

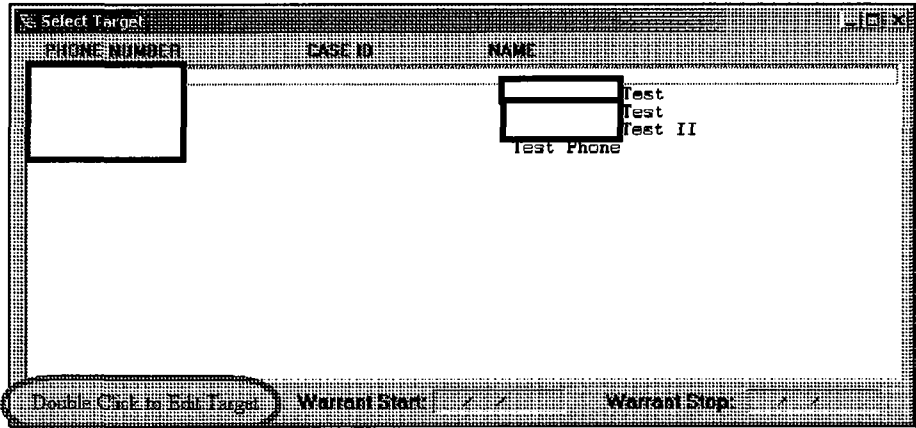




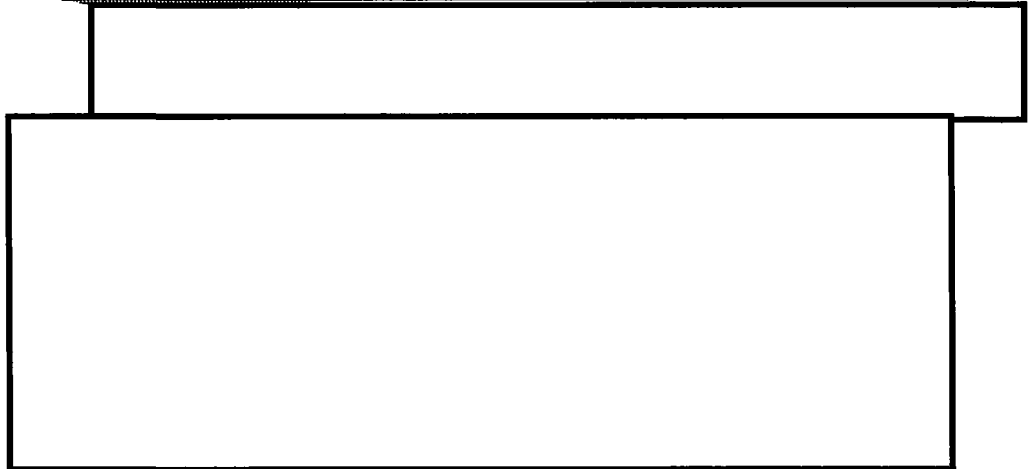
b2  
b7E

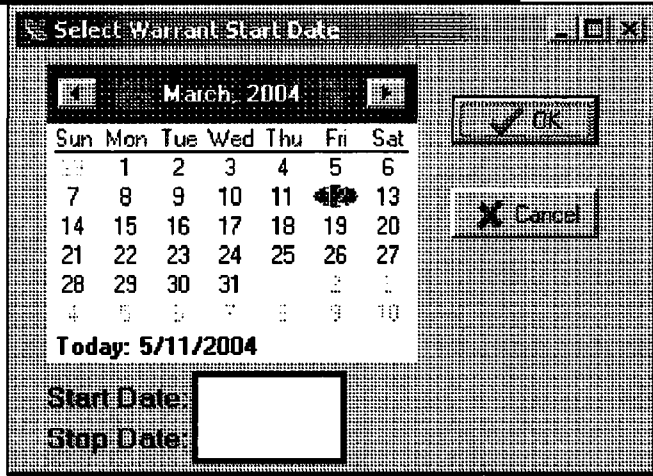


b6  
b7C



b2  
b7E



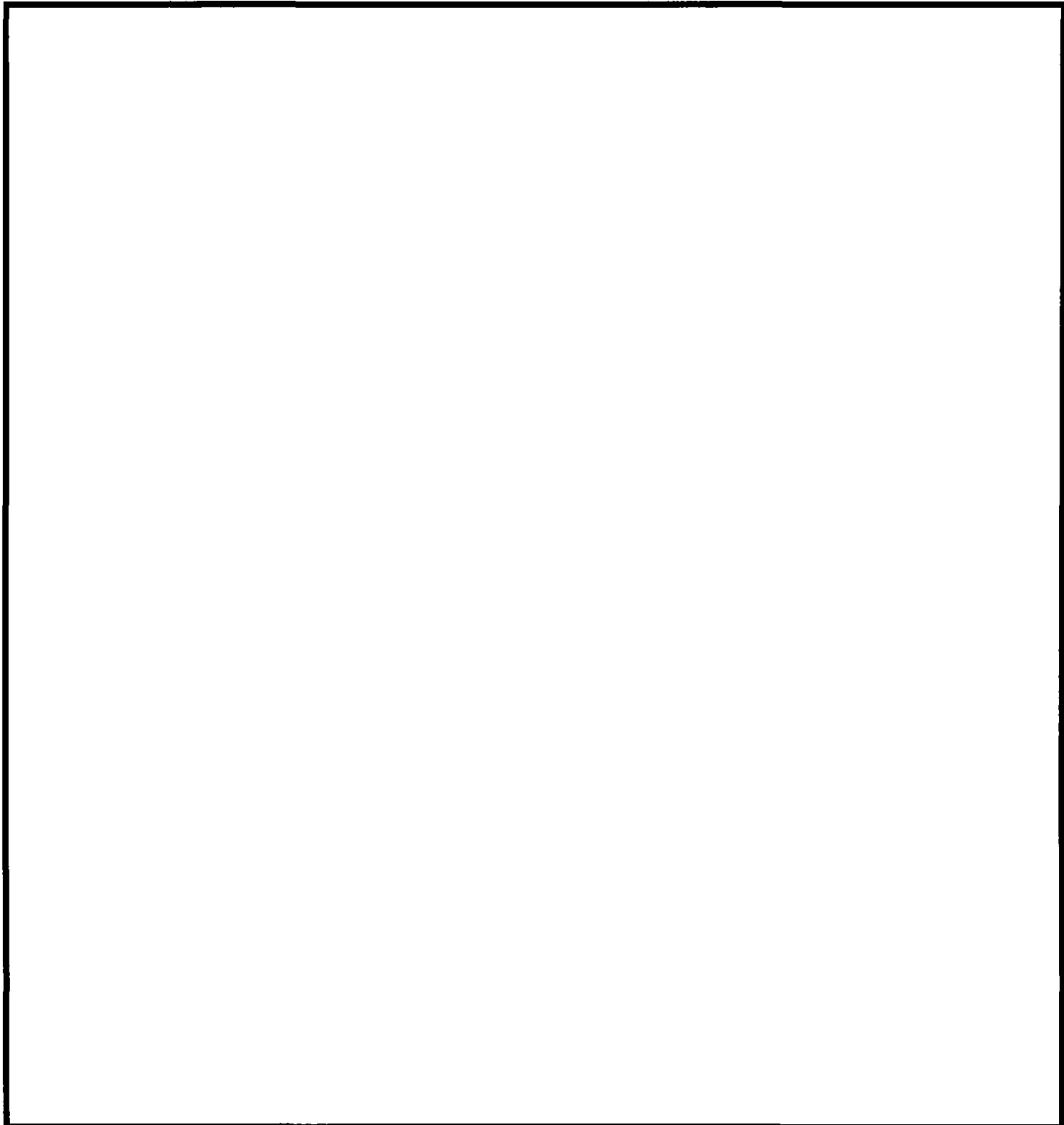


b2  
b7E



b2  
b7E





b2  
b7E

Machine: [001] Servers

Target Server Communications Selection

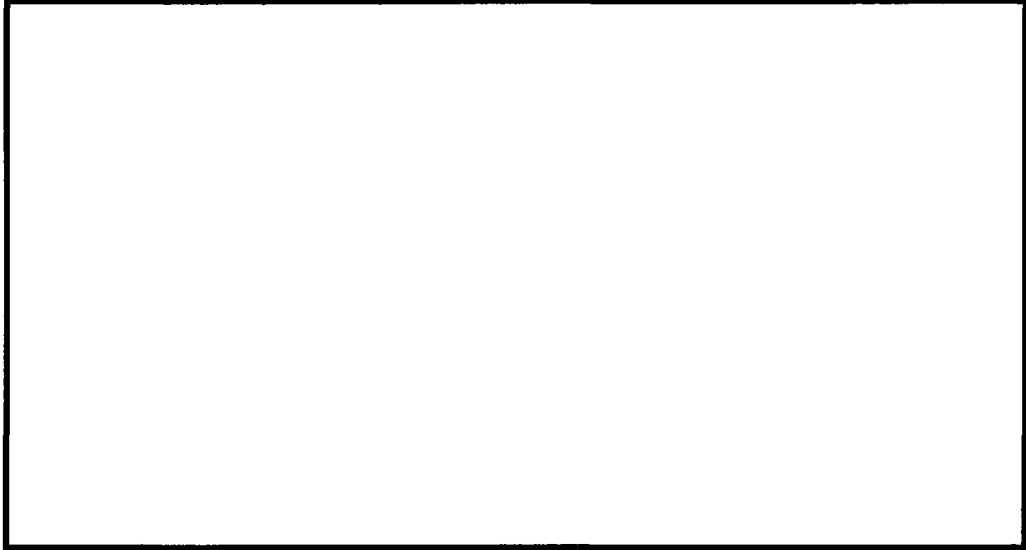
Selected	Target Server	Communication Protocol
<input type="checkbox"/>		

➔ Add

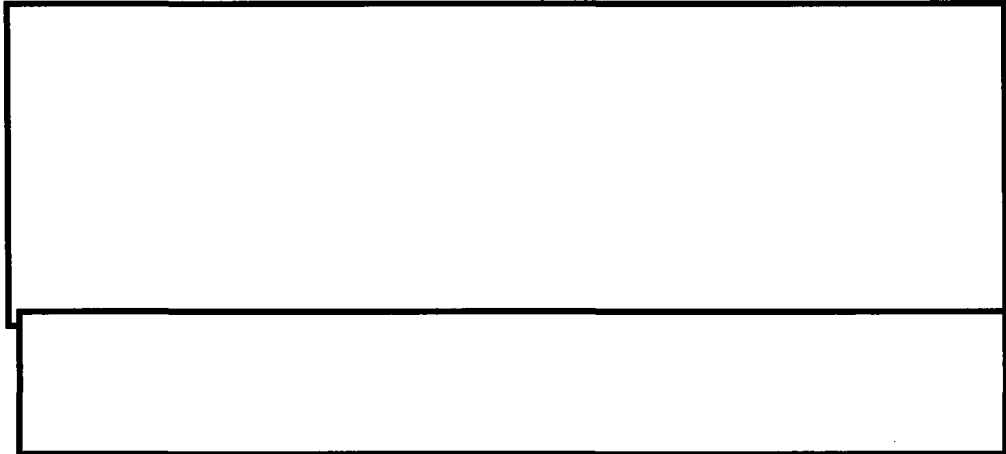
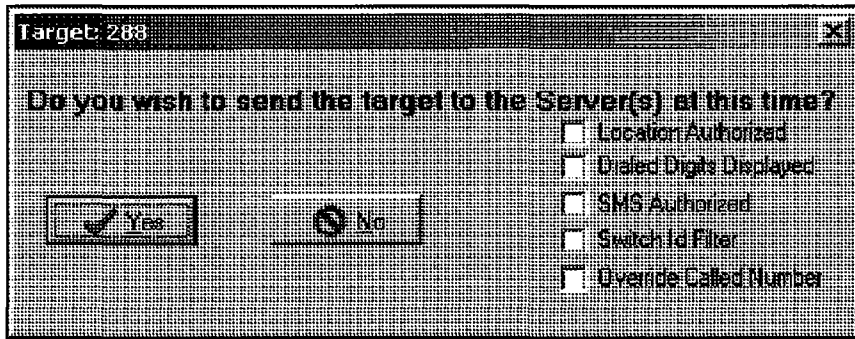
➔ Remove

Be Sure to Press the Save Button to Save the Changes

Previous Next



b2  
b7E



b2  
b7E

Note:



Note:



b2  
b7E

### Title 3 Collection



Figure 3-3 displays the data flow for Title 3 collections.

b2  
b7E

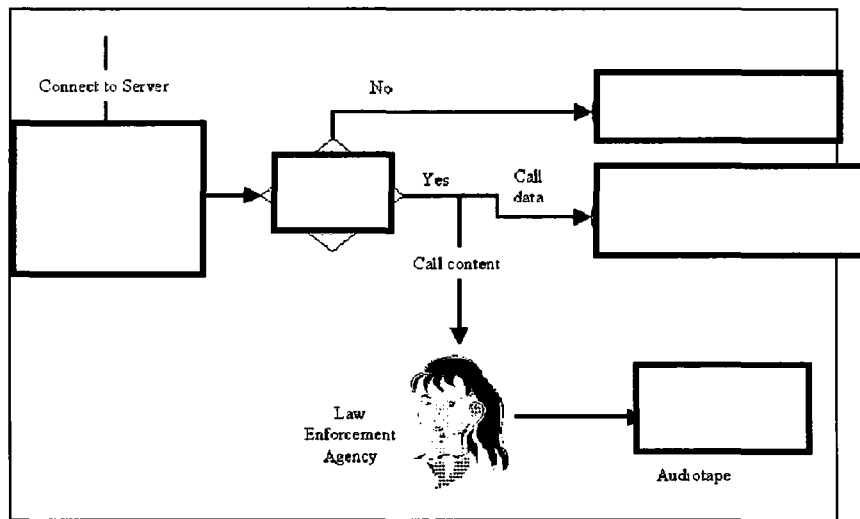


Figure 3-3: Data Flow - Title 3 Collections

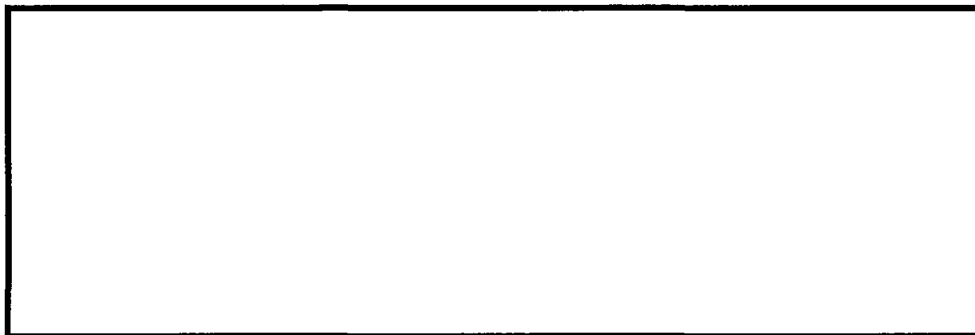
**Configure the Client**



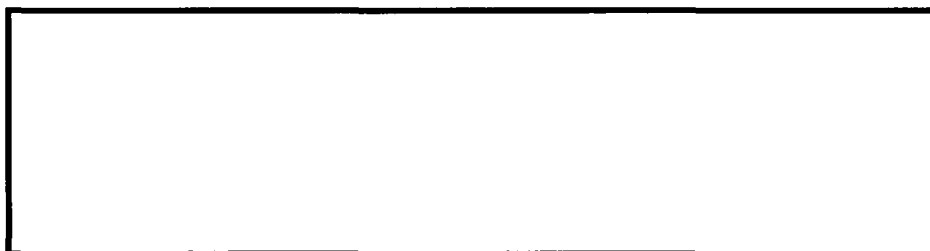
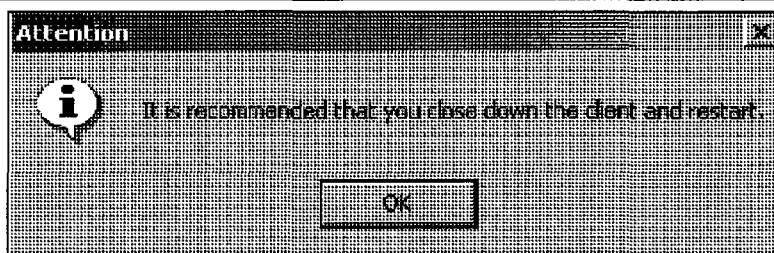
**To configure the Client for Title 3 Collection:**

**2. Select File, Configure.**

b2  
b7E



b2  
b7E



**Enter the Warrant**

b2  
b7E



**To enter a Title 3 warrant:**

b6  
b7C

**Warrant Database**

Target Name:

Phone Number:

Case ID:

Start Date:   Stop Date:

Start Time:   Stop Time:

Warrant ID:  Track By:

Wave File:  Set By:

Warrant Type:  Last Call Number:

Telco:

Trac Client ID:

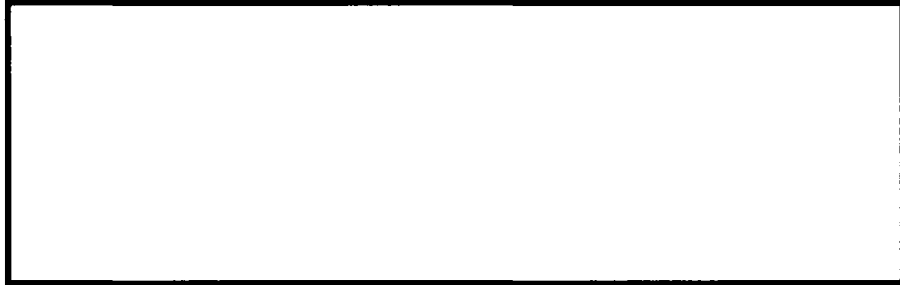
Expand  Call Director Authorization:

Warrant Length: 34 days  
23 hours  
60 minutes

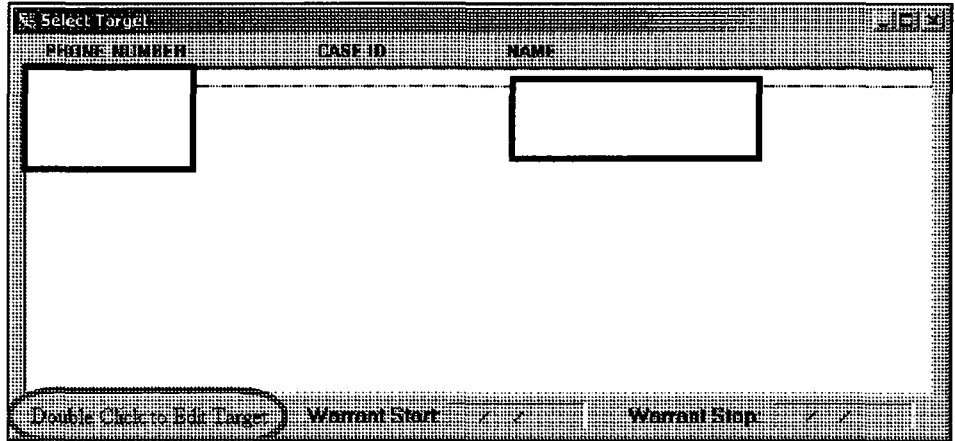
b2  
b7E

b2  
b7E

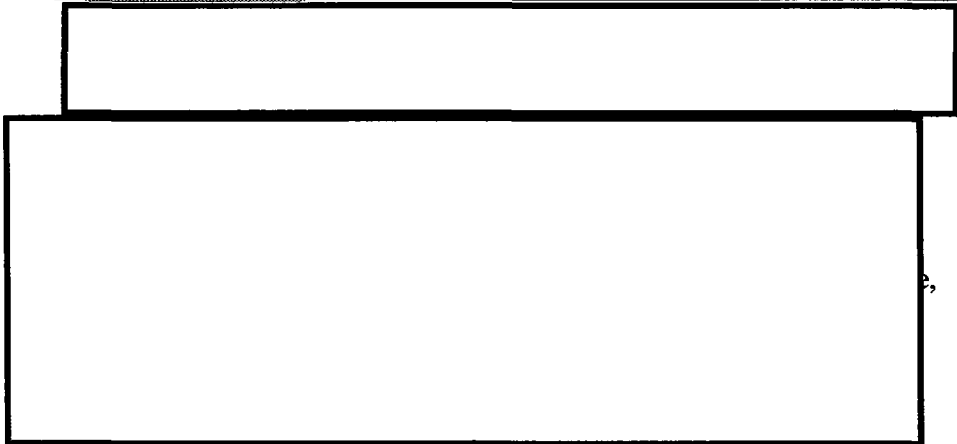
b2  
b7E



b6  
b7C

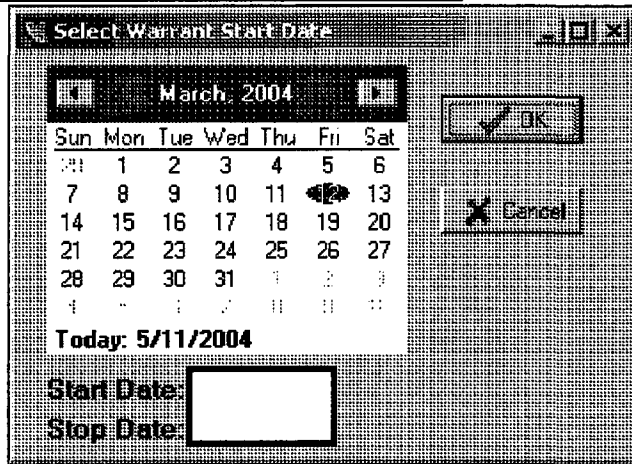


b2  
b7E

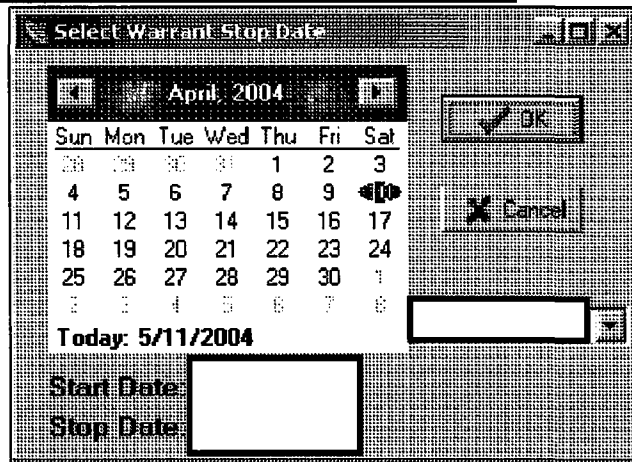


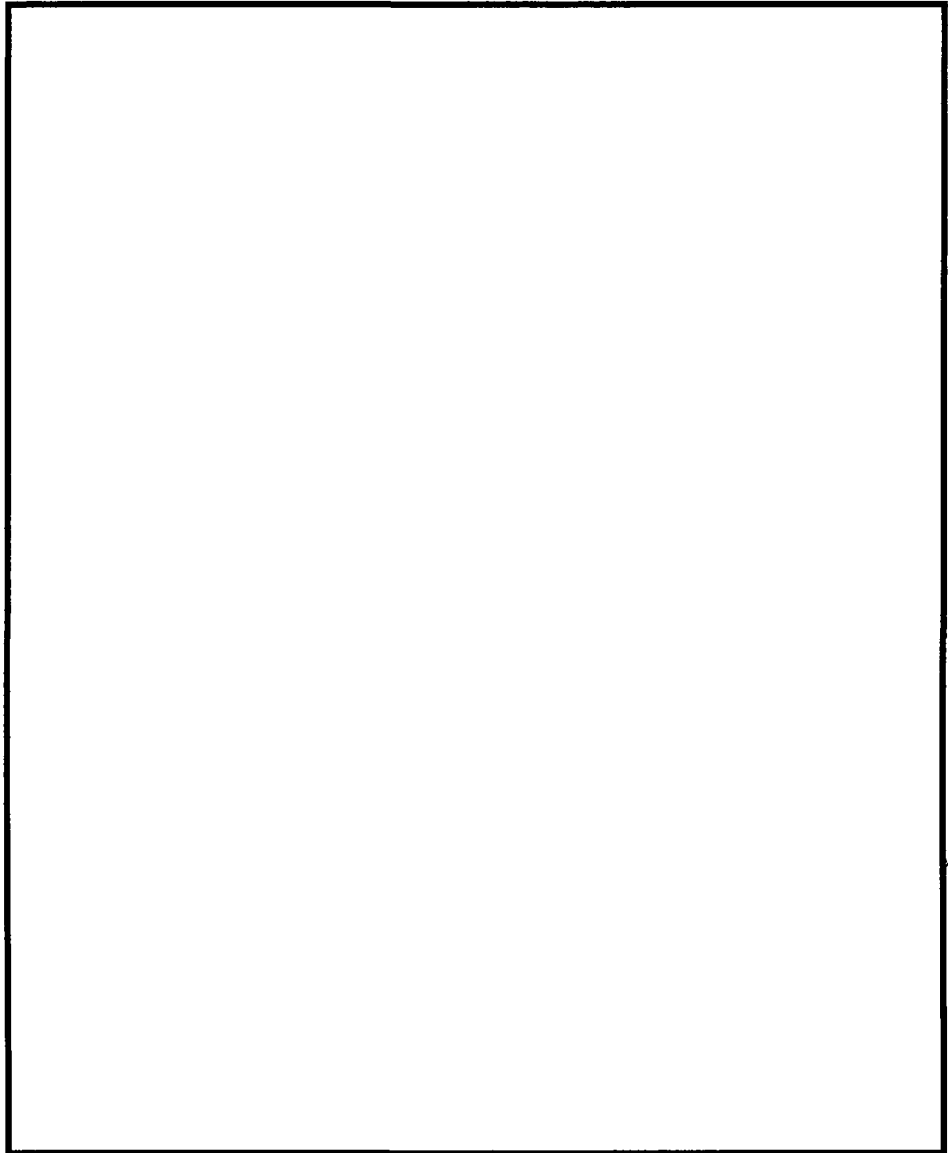


b2  
b7E



b2  
b7E





b2  
b7E

Previous 11 of 11 Servers

Target Server Communication Selection

Server(s) to send target to

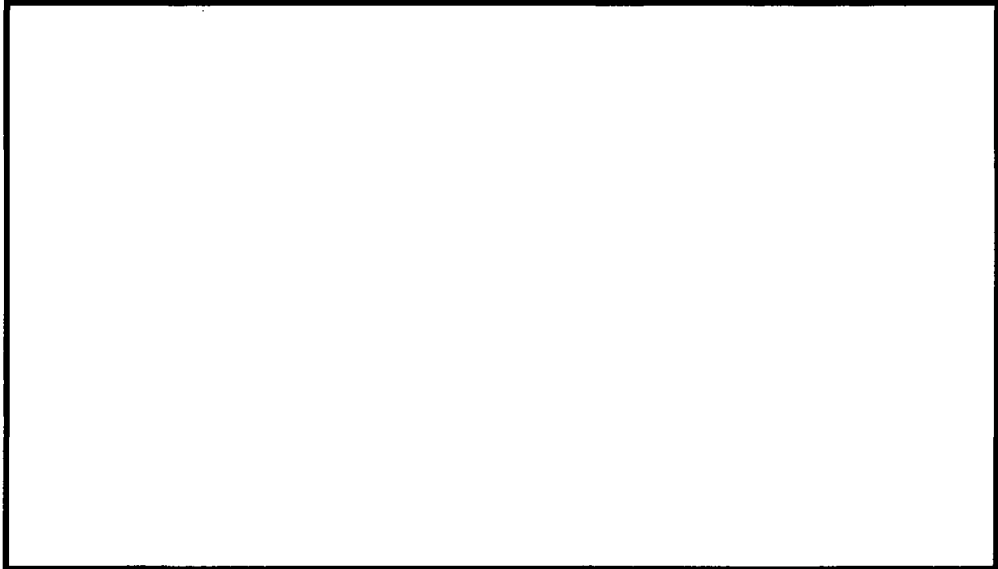
OK

Cancel

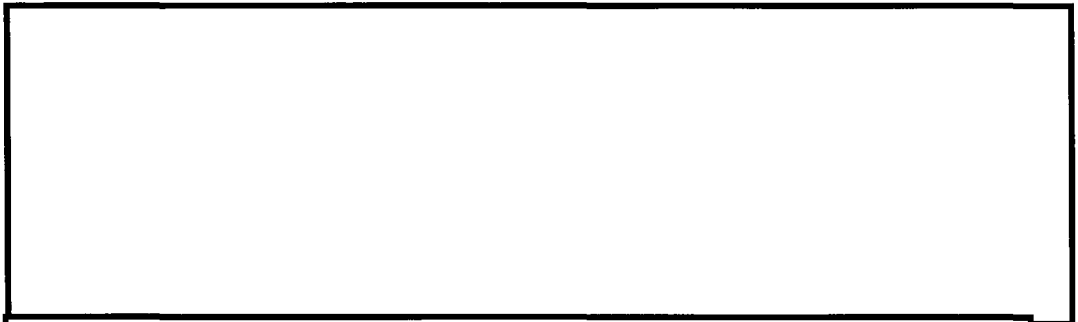
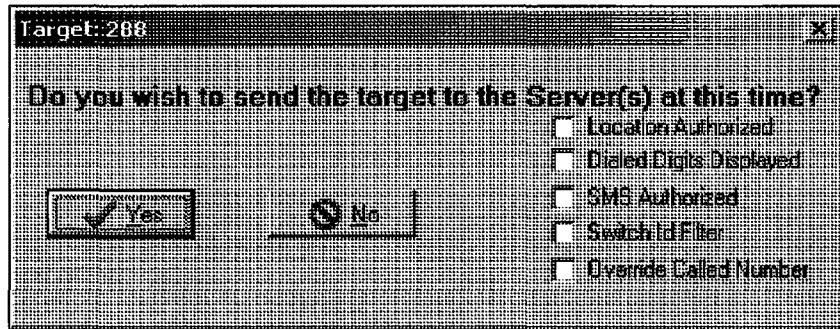
Do Not Press The Same Buttons Save the Changes

Previous Next

b2  
b7E



b2  
b7E



b2  
b7E



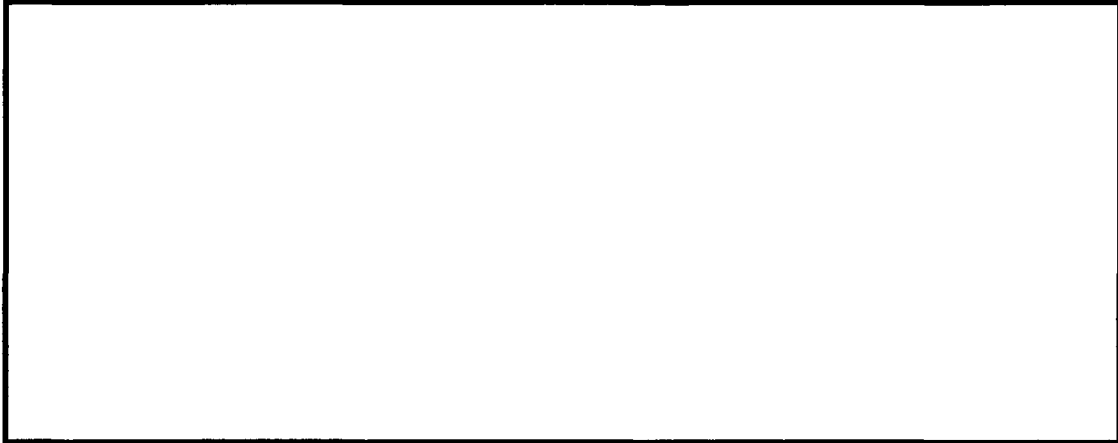
Note:



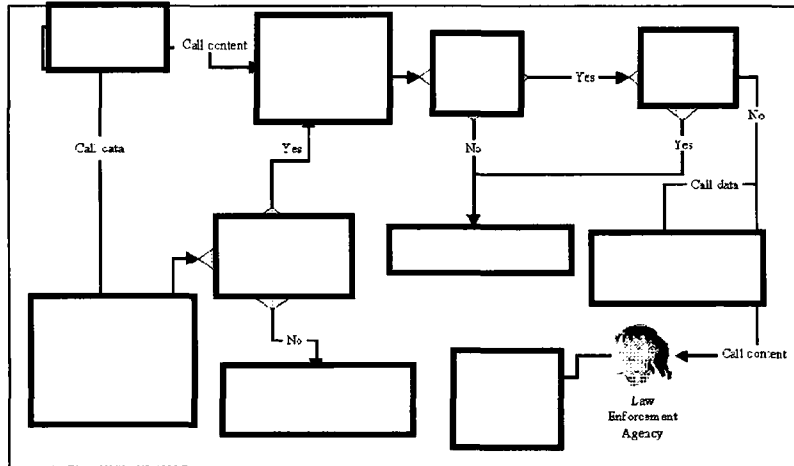
~~2~~ Note:

b2  
b7E

### Cooperative Warrant (CW) Collection



b2  
b7E

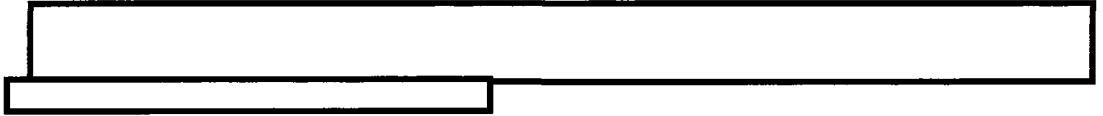


b2  
b7E

Figure 3-4: Data flow - CW Collections

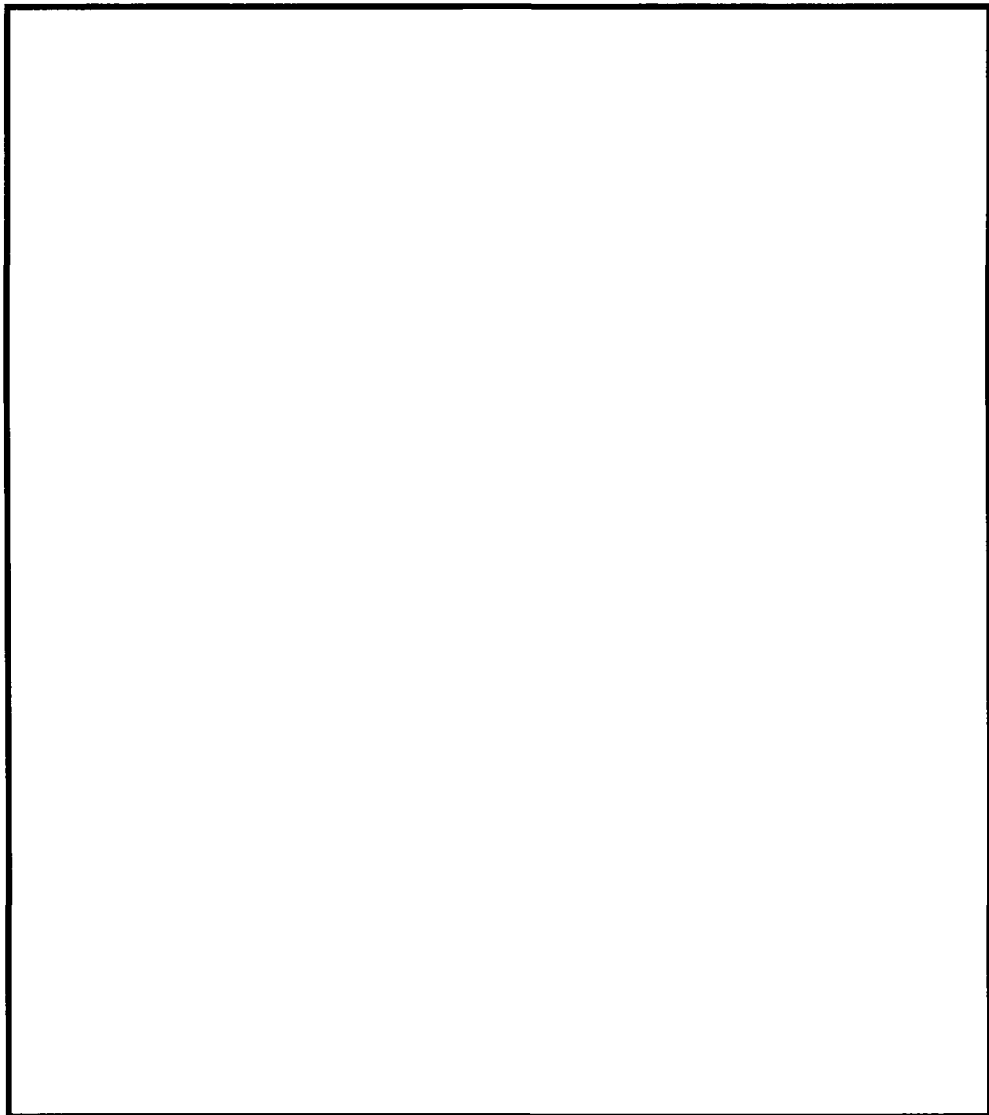
**Configure the Client**

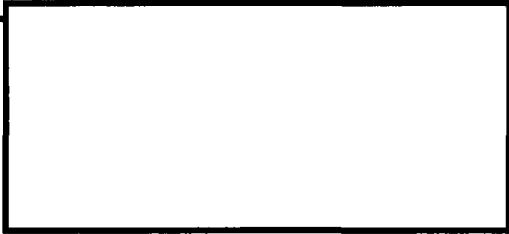
b2  
b7E



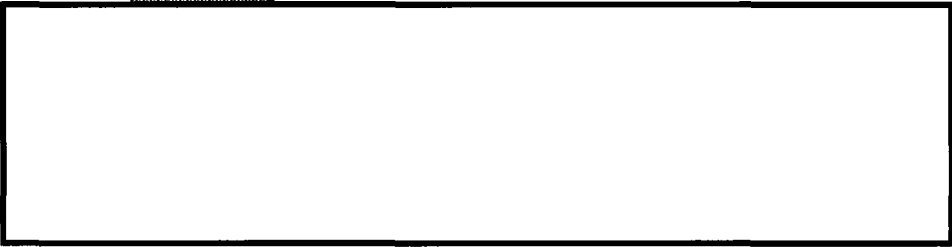
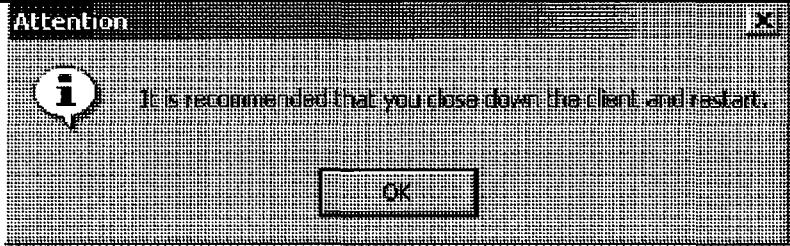
**To configure the Client for CW Collection:**

b2  
b7E





b2  
b7E



**Enter the Warrant**

b2  
b7E



**To enter a CW warrant:**

b2  
b7E

The screenshot shows a window titled "Warrant Database" with the following fields and controls:

- Buttons:** New, Save, Delete, Done, Activate, Previous, Next, CWList, Call Direction Authorization.
- Fields:** Target Name, Phone Number, Call ID, Start Date, Start Time, Stop Date, Stop Time, Warrant Length (days, hours, minutes), Warrant ID, Track By, Wave file, Sort By, Warrant Type, Last Call Number, Type, Thin Client ID, Call ID, Call Direction Authorization.

b2  
b7E

[Redacted]

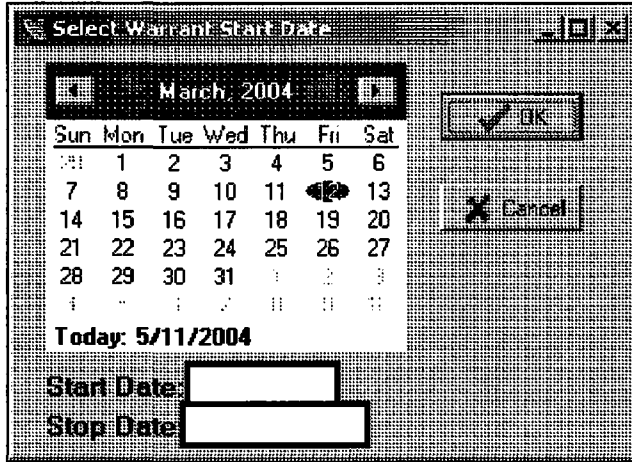
b6  
b7C

Select Target		
PROB# NUMBER	CASE ID	NAME
[Redacted]		[Redacted]

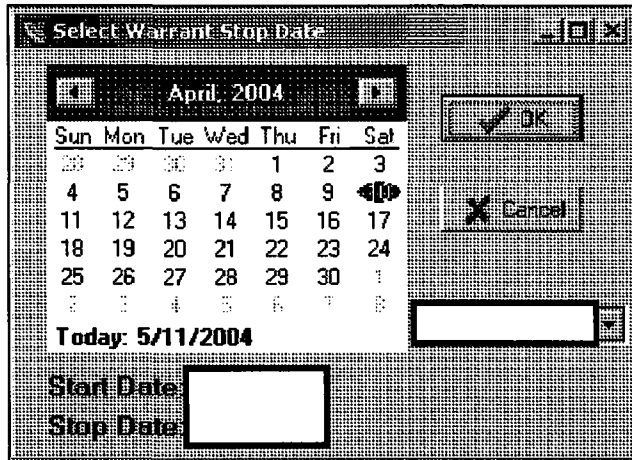
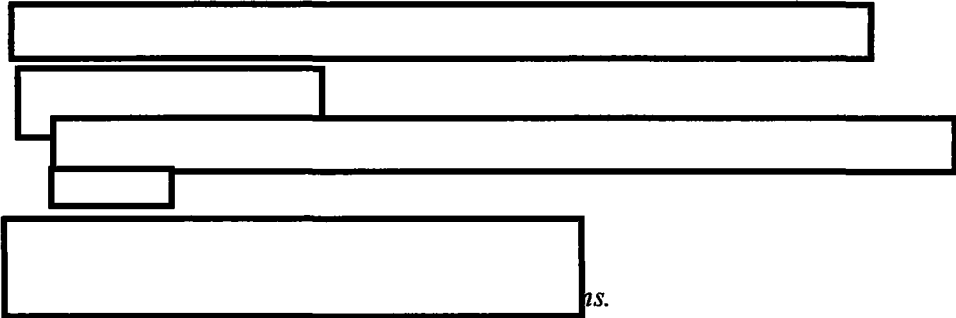
Double Click to Edit Case    Warrant Stop    Warrant Stop

b2  
b7E

[Redacted]

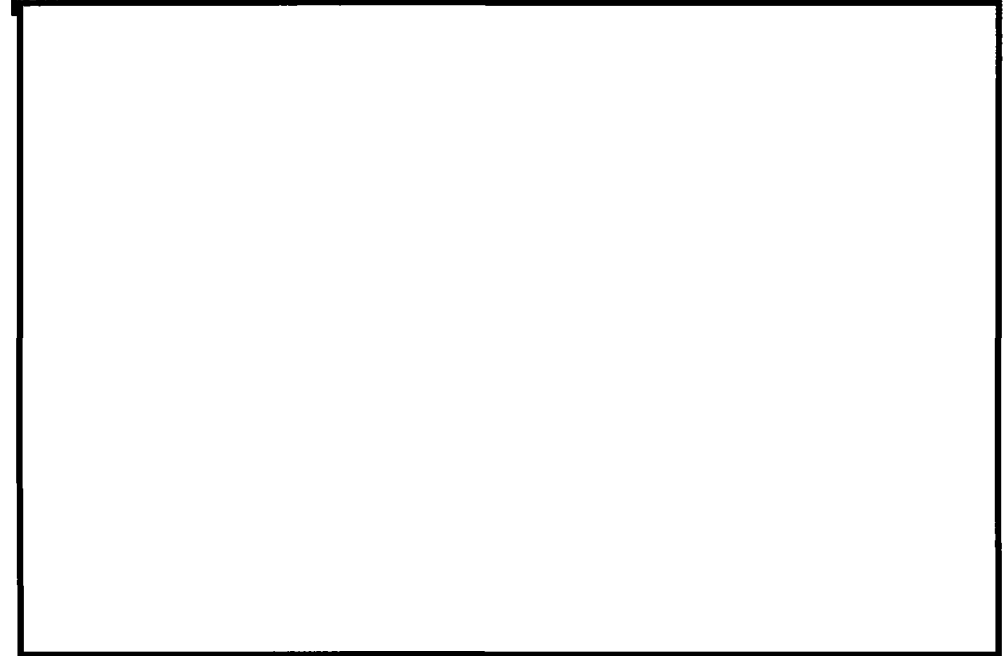


b2  
b7E

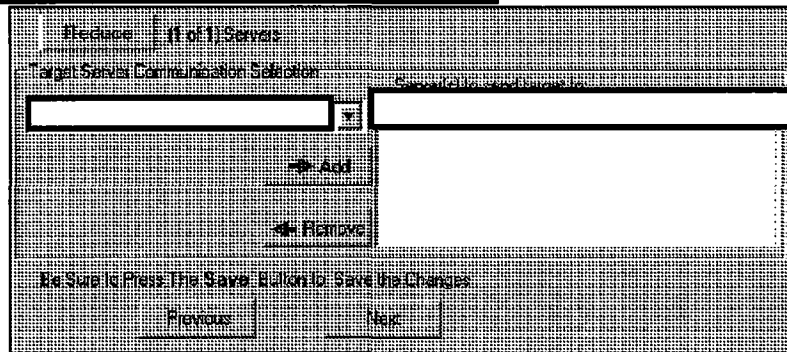


b2  
b7E



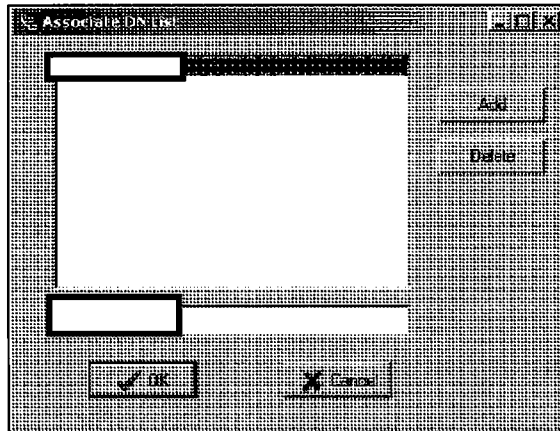


b2  
b7E





b2  
b7E



b6  
b7C

Note:

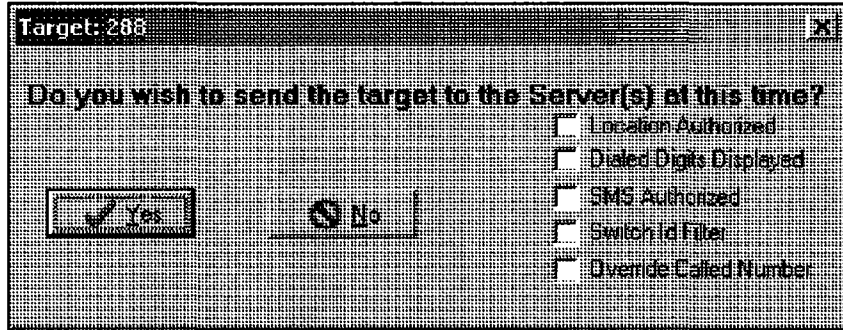


b2  
b7E

Note:



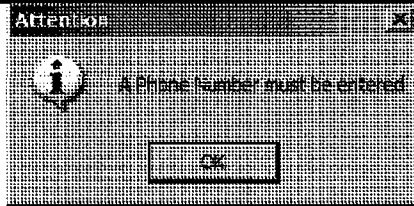
b2  
b7E



Note:



b2  
b7E

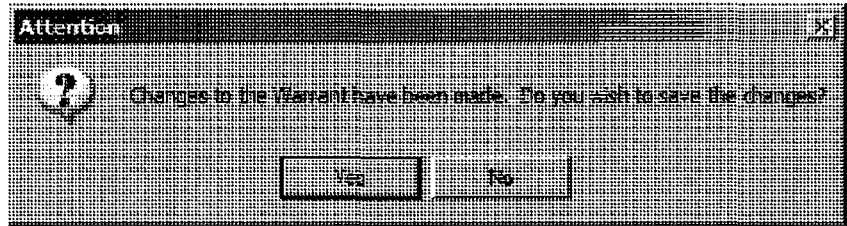


Note:



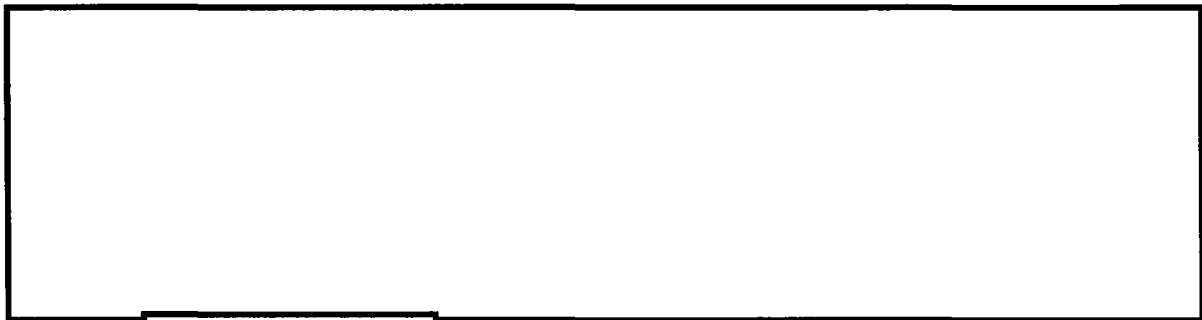
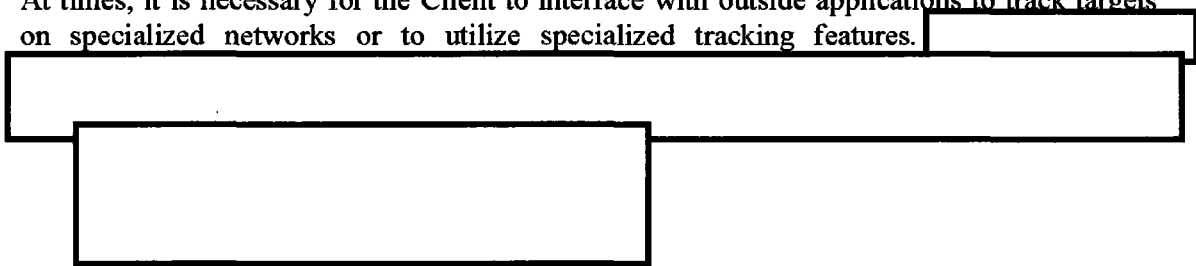
Note:

b2  
b7E



## Setting up a Specialized Connection

At times, it is necessary for the Client to interface with outside applications to track targets on specialized networks or to utilize specialized tracking features.



b2  
b7E

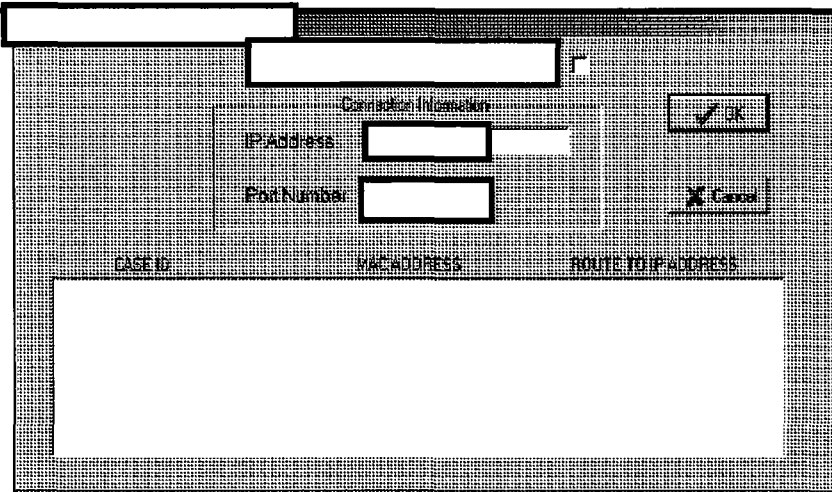
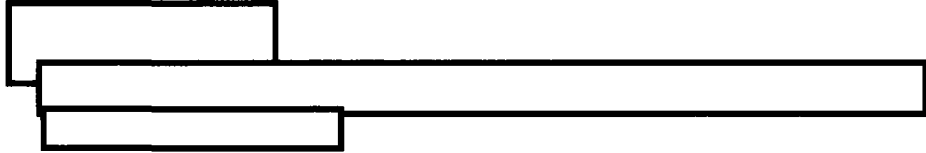
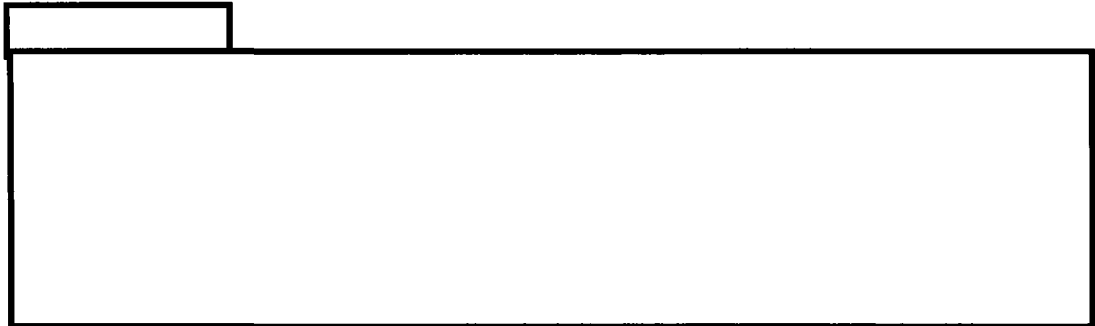
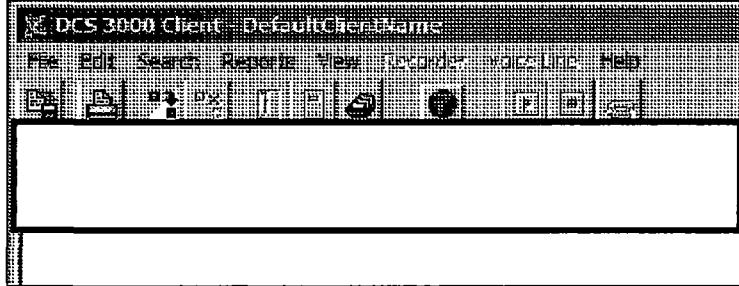


Figure 3-5: [Redacted]





b2  
b7E



b2  
b7E

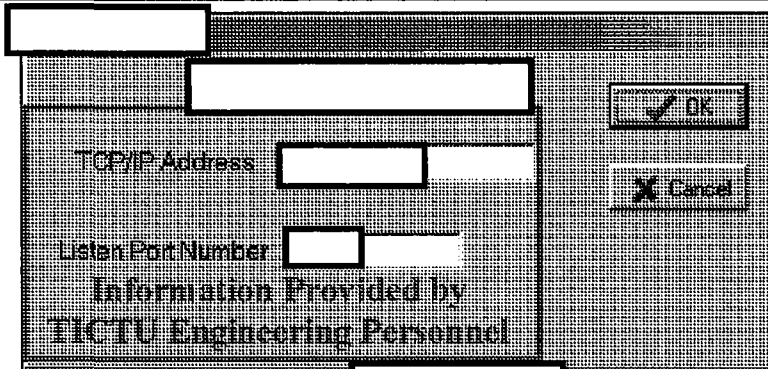
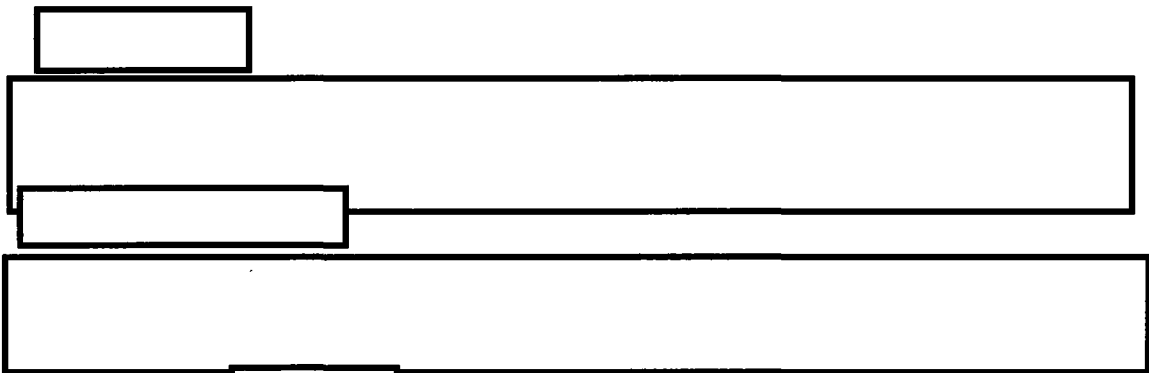


Figure 3-6:



b2  
b7E

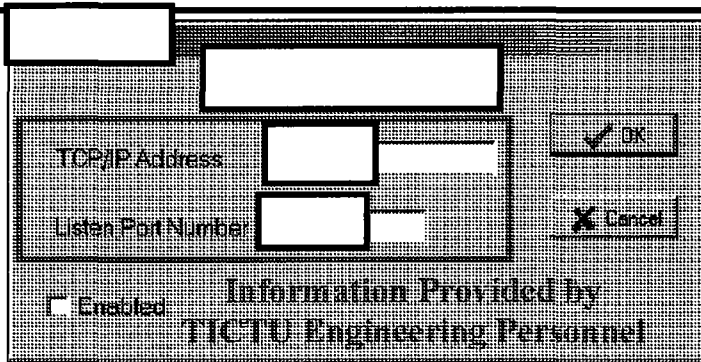


Figure 3-7 [Redacted] Window



b2  
b7E

## **Establishing a Collection**

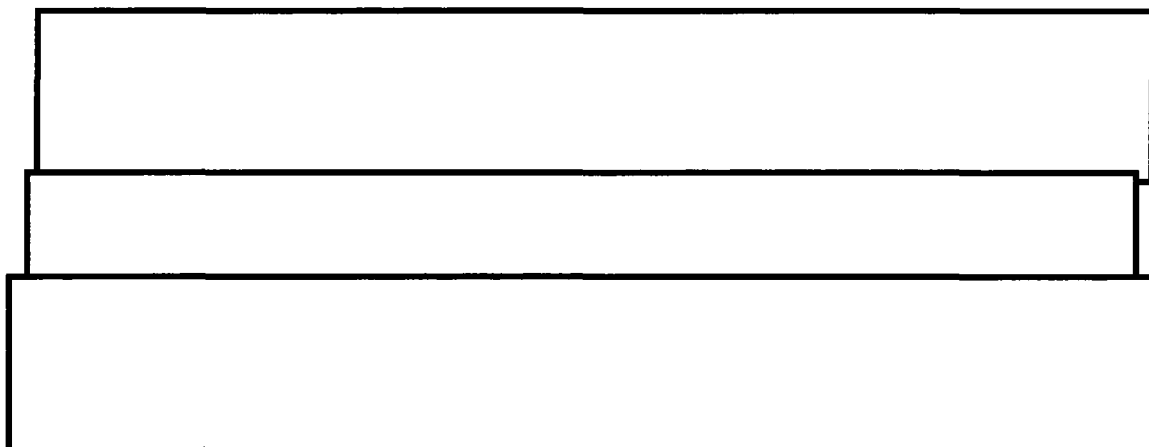
---



The following steps are covered in this section, which allow the Server to receive the appropriate information regarding the target and enable surveillance to begin:

- Send Target to the Server
- Connecting to the Server
- Connecting to the Switch
- Request Target List

### Send Target to the Server



b2  
b7E

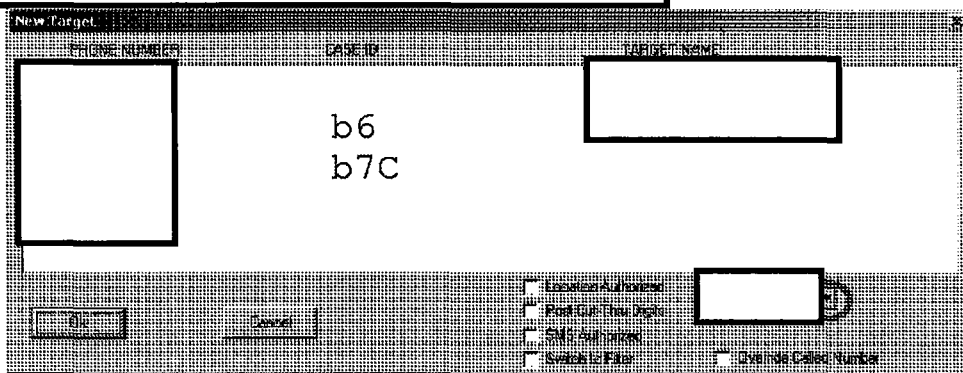
The following steps are required for the Client to manually forward or send target(s) to the Server:



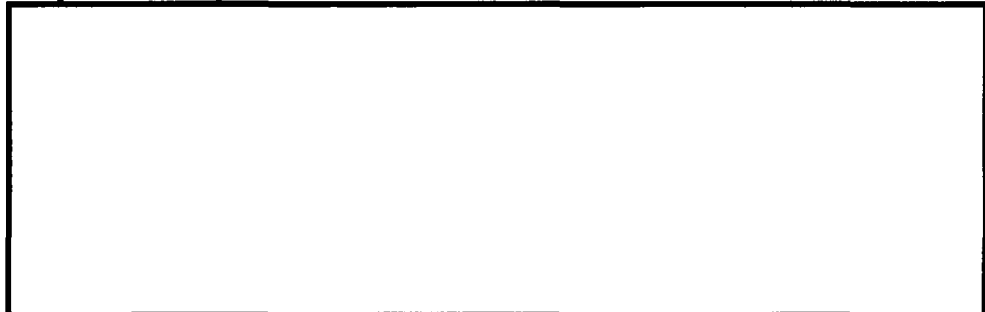
### To send a target to the Server:



b2  
b7E



b2  
b7E



b2  
b7E



## Connecting to the Server

b2  
b7E

The following steps are required for the Client to manually connect to the Server:

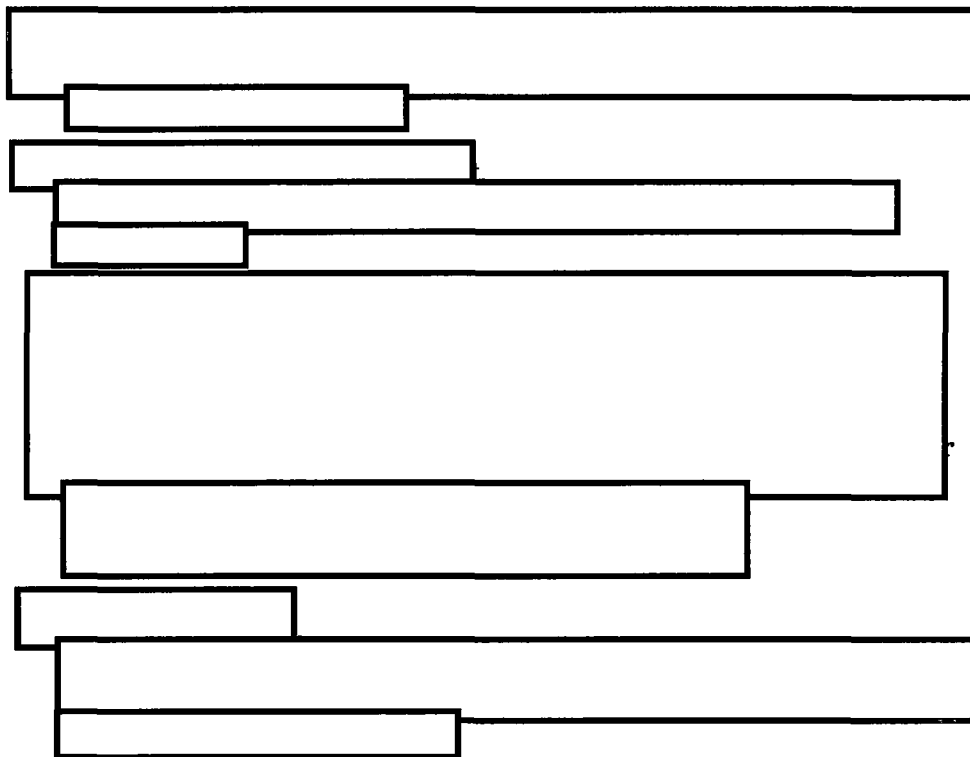


### To connect to the Server:

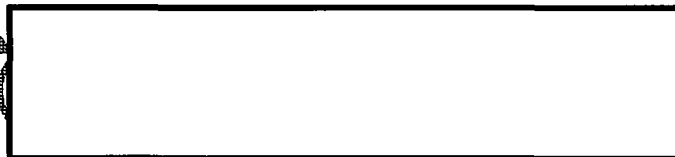
b2  
b7E

b2  
b6  
b7C  
b7E

### Note:

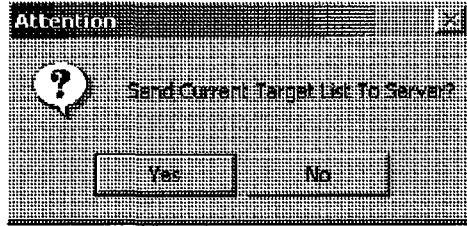


b2  
b7E





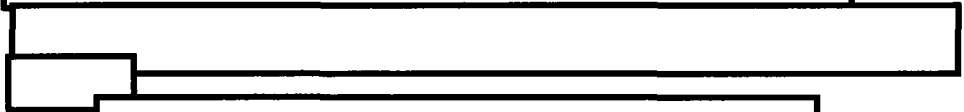
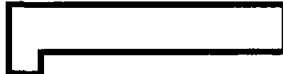
**To connect to the Server after previous disconnect:**



**Note:**



b2  
b7E



## Connecting to the Switch

b2  
b7E



The following steps enable the Client to request that the Server connects to the switch.



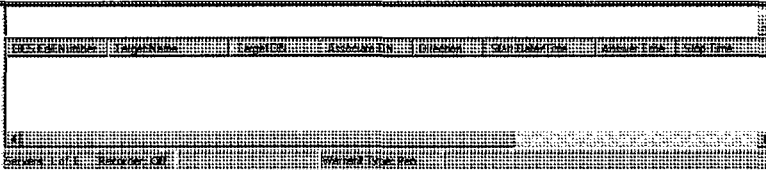
**To connect to the switch:**



**Note:**



b2  
b7E



## Request Target List



### To Request the Target List from the Server:

b2  
b7E

**Note:**

## Modifying and Removing Warrants

[Redacted]

[Redacted]

[Redacted]

[Redacted]

b2  
b7E

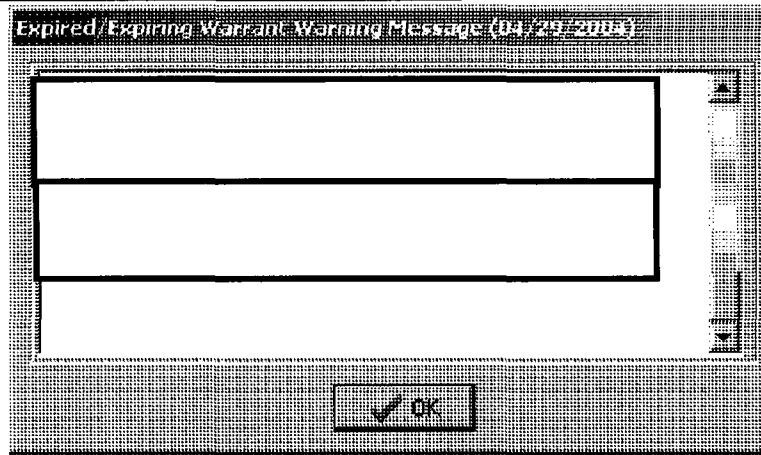


Figure 3-8: Expired/Expiring Warrant Warning Message

[Redacted]

### Modify a warrant

b2  
b7E

Note:



### To modify a warrant:

1.

Warrant Database

New

Save

Delete

Activate Done

Start Date Start Time Warrant Length days hours minutes

Stop Date Stop Time

Warrant ID Track By

Warrant Type Last Call Number Set By

Fax Client ID

Previous Next

Fax Client ID

b2  
b7E

b2  
b7E

[Redacted]

- OR -

b6  
b7C

[Redacted]

PHONE NUMBER	CASE ID	NAME
[Redacted]		

Double-Click to Add Target    Warrant Start: / /    Warrant Stop: / /

b2  
b7E

[Redacted]

Target: 200

**Do you wish to send the target to the Server(s) at this time?**

Yes     No

- Location Authorized
- Dialed Digits Displayed
- SMS Authorized
- Switch Id Filter
- Override Called Number



b2  
b7E



~~X~~ Note:





[Redacted]

[Redacted]

[Redacted]

b2  
b7E

- OR -

[Redacted]

PHONE NUMBER	CASE ID	STATUS
[Redacted]	[Redacted]	[Redacted]

b6  
b7C

Double Click to Edit Target    Warrant Start    / /    Warrant Stop    / /

[Redacted]

b2  
b7E

[Redacted]

[Redacted]

Delete?

Are you sure you wish to delete [Redacted]

Yes    No

b6  
b7C

[Redacted]

b2  
b7E



b6  
b7C

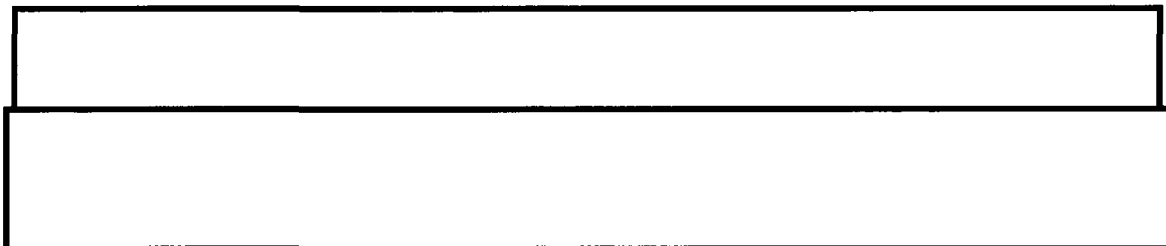
Note:



## **Monitoring and Recording Calls**

---

b2  
b7E



## Connection Messages

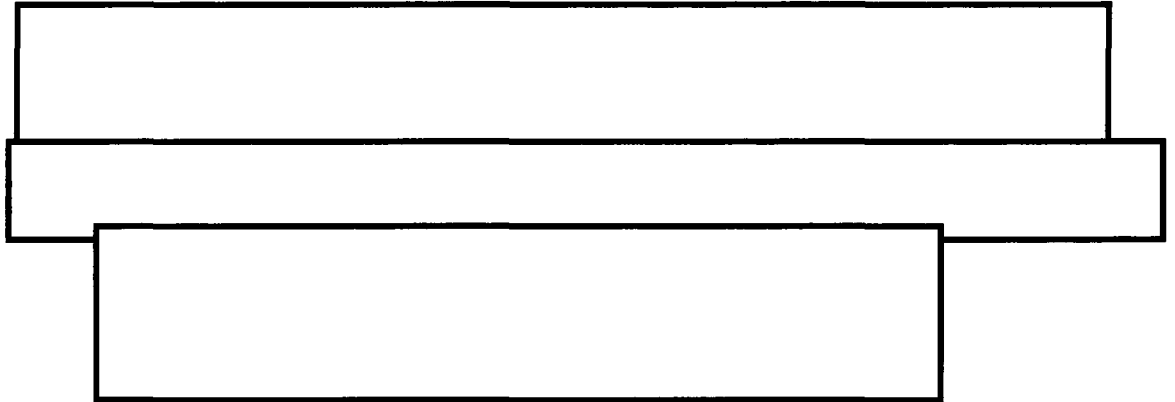


This table displays examples of connection messages about the status of connections to the Server and the switch.

Message	Explanation
[Redacted]	[Redacted]
[Redacted]	[Redacted]

b2  
b7E

## Call Event Messages



This table displays  call event messages.

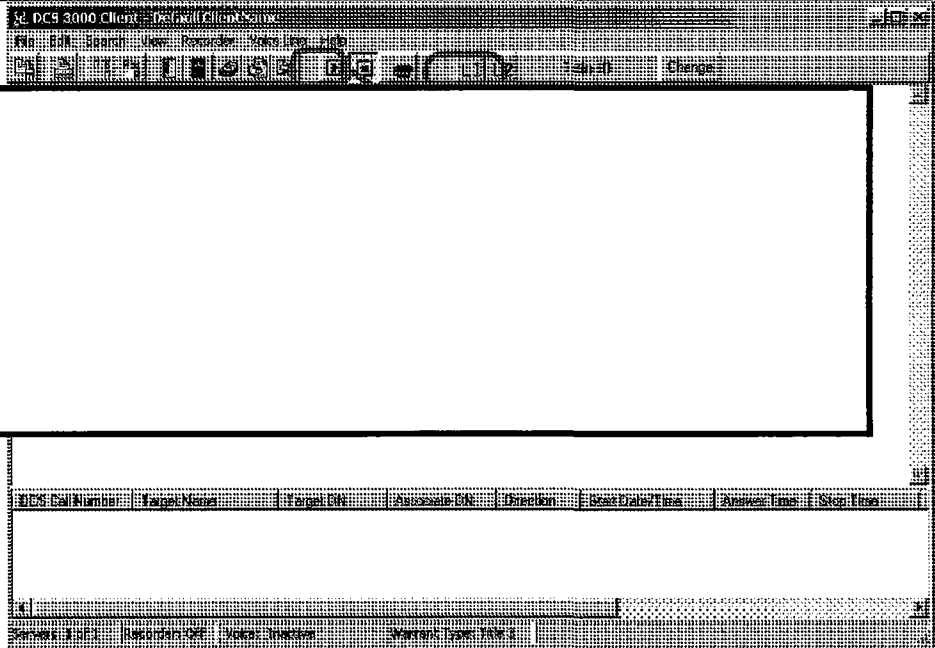
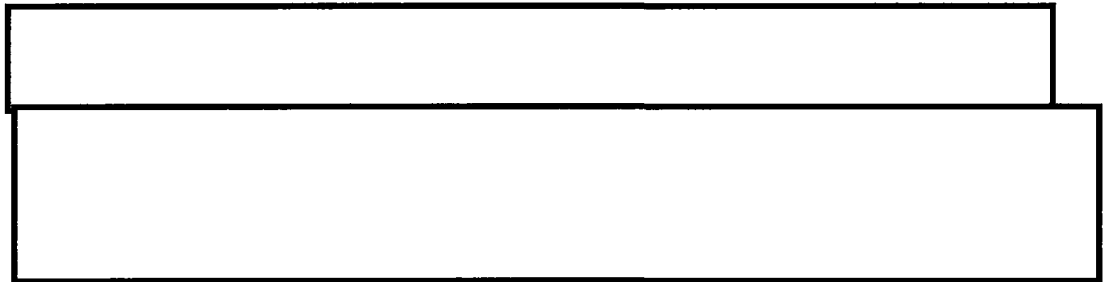
b2  
b7E

CDC Message	Definition
Answer	
CCCclose	
CCOpen	
Change	
Conference Party Change	
Connection	
Connection Break	
Dialed Digit Extraction	
Network Signal	
Origination	
Packet Envelope	

CDC Message	Definition
Redirection	
Release	
<i>Serving System</i>	
Subject Signal	
Termination Attempt	
Connection Test	

b2  
b7E

## Recording Calls



b2  
b7E

Figure 3-9: Title 3 Collection Mode - Two Active Voice Lines



Note:





**To record calls:**

[Redacted]

[Redacted]

[Redacted]

[Redacted]

b2  
b7E

[Redacted]

[Redacted]

[Redacted]

[Redacted]

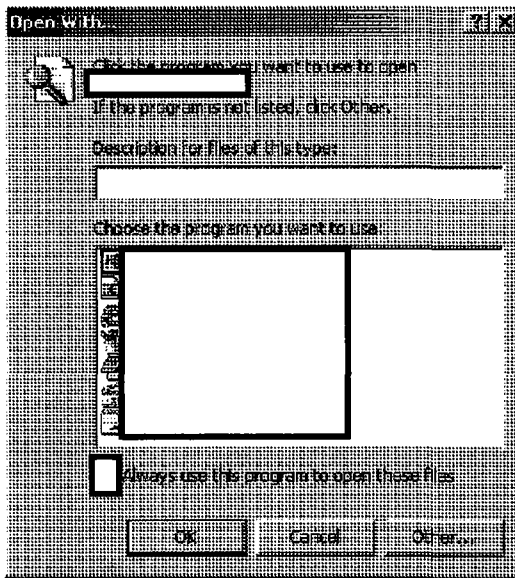
[Redacted]

[Redacted]

## Storing and Printing Target Data Files



b2  
b7E



b6  
b7C

b2  
b7E

Figure 3-10: Selecting Notepad to Open Summary and CDNRS files



b2  
b7E



### Log File (\*.log)

b2  
b7E



b2  
b6  
b7C  
b7E

```
Target Name: [Redacted]
Target Number: [Redacted]
DCS Server Name: [Redacted]
DCS Connection Name: [Redacted]

CALL CCOOPEN
Date: [Redacted]
Time: [Redacted]
CombCCC: [Redacted]
IAPSystemIdentity: [Redacted]
sepXmitCCC: [Redacted]
sepRecvCCC: [Redacted]
CallIdentity[0]: [Redacted]

Target Name: [Redacted]
Target Number: [Redacted]
DCS Call Number: [Redacted]
DCS Server Name: [Redacted]
DCS Connection Name: [Redacted]

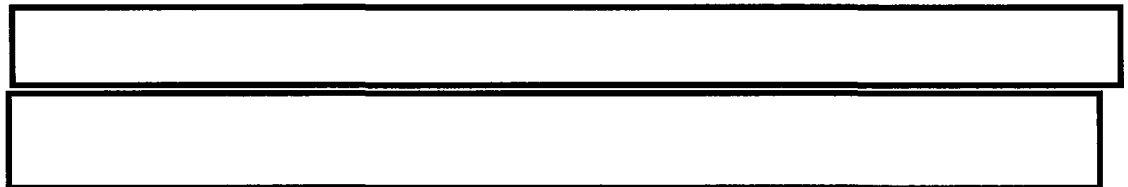
CALL ANSWER
MSC Call Number: [Redacted]
Date: [Redacted]
Time: [Redacted]
Location: [Redacted]
IAPSystemIdentity: [Redacted]
```

b2  
b7E

b2  
b6  
b7C  
b7E

b2  
b6  
b7C  
b7E

Figure 3-11: Log File Sample



### Summary File (\*.sum)

b2  
b7E



b2  
b6  
b7C  
b7E

```
DCS CALL NUMBER: 1  
Target Name: [REDACTED]  
Date: [REDACTED] Start Time: [REDACTED]  
Subscriber DN: [REDACTED] Associate DN: [REDACTED]  
Direction: [REDACTED] Call Answer Time: [REDACTED]  
Call Stop Time: [REDACTED] Call Duration: [REDACTED]  
Begin Call Location: [REDACTED]  
Begin Call Area Code: [REDACTED]  
End Call Location: [REDACTED]  
End Call Area Code: [REDACTED]  
DTMF Digits: [REDACTED]  
IAP System Identity: [REDACTED]  
  
DCS CALL NUMBER: [REDACTED]  
Target Name: [REDACTED]  
Date: [REDACTED] Start Time: [REDACTED]  
Subscriber DN: [REDACTED] Associate DN: [REDACTED]  
Direction: [REDACTED] Call Answer Time: [REDACTED]  
Call Stop Time: [REDACTED] Call Duration: [REDACTED]  
Begin Call Location: [REDACTED]  
Begin Call Area Code: [REDACTED]  
End Call Location: [REDACTED]  
End Call Area Code: [REDACTED]  
DTMF Digits: [REDACTED]  
IAP System Identity: [REDACTED]
```

Figure 3-12: Summary File Sample



b2  
b7E



Figure 3-13: Advanced Summary File Sample



b2  
b7E



**To generate the Advanced Summary file:**

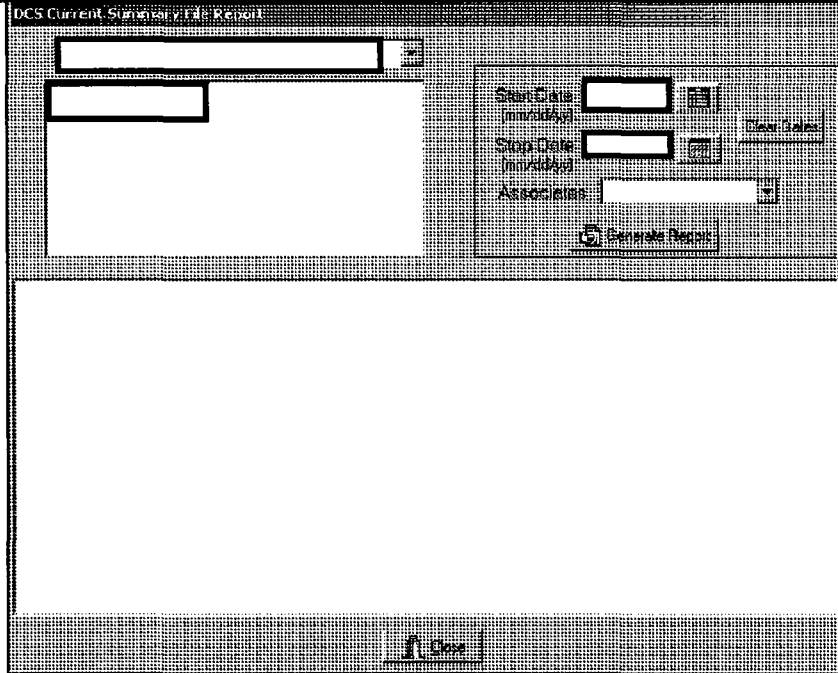
1.



**Reports**



b2  
b6  
b7C  
b7E



**Figure 3-14: DCS Current Summary File Report Window**

b2  
b7E

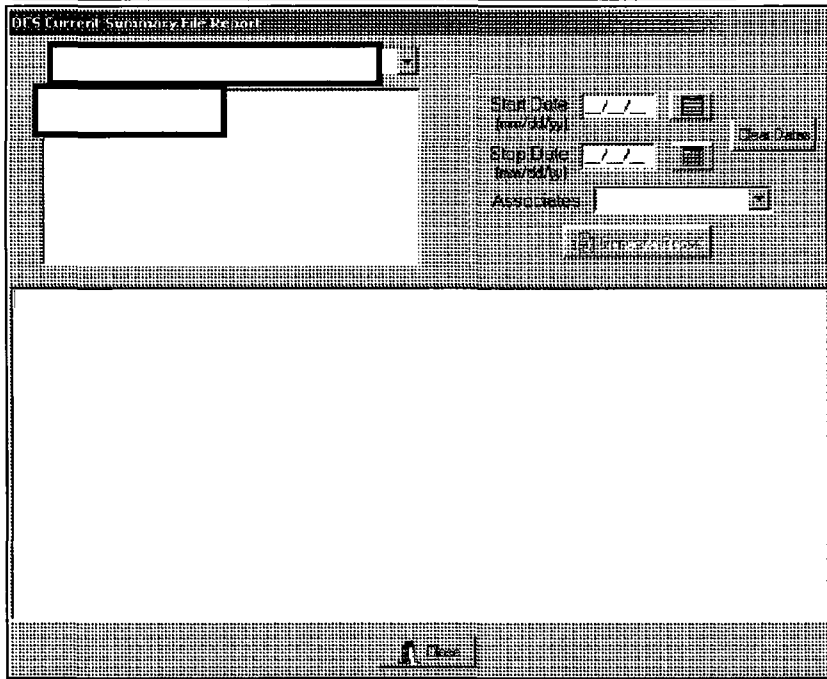


**To request a summary file:**

1.



b2  
b6  
b7C  
b7E

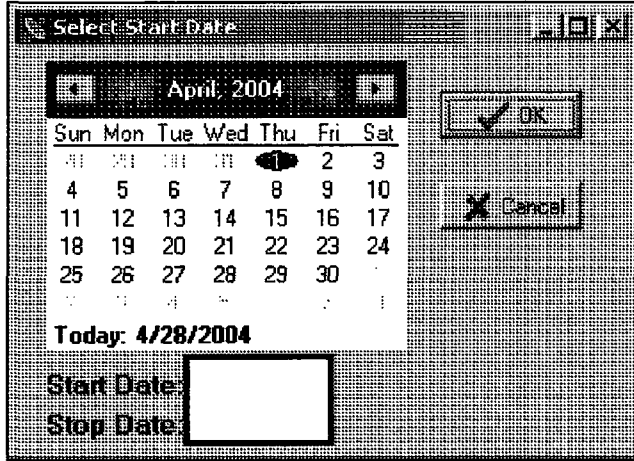


2.

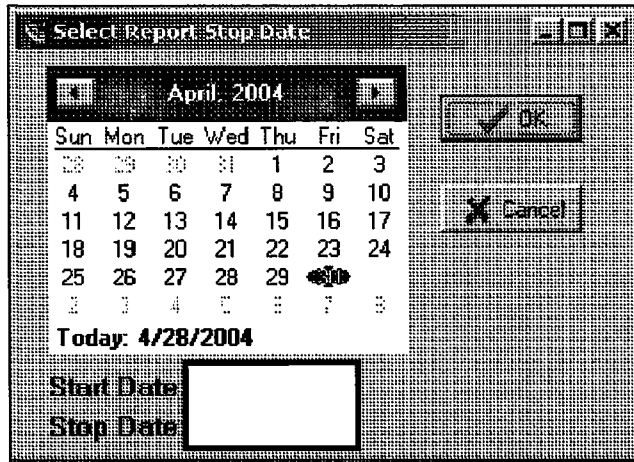


b2  
b7E

b2  
b7E



b2  
b7E



b2  
b7E





b2  
b7E



DCS Current Summary File Report

[Redacted]

[Redacted]

Start Date: [Redacted] [Redacted]

Stop Date: [Redacted] [Redacted] Clear Data

Associate: [Redacted]

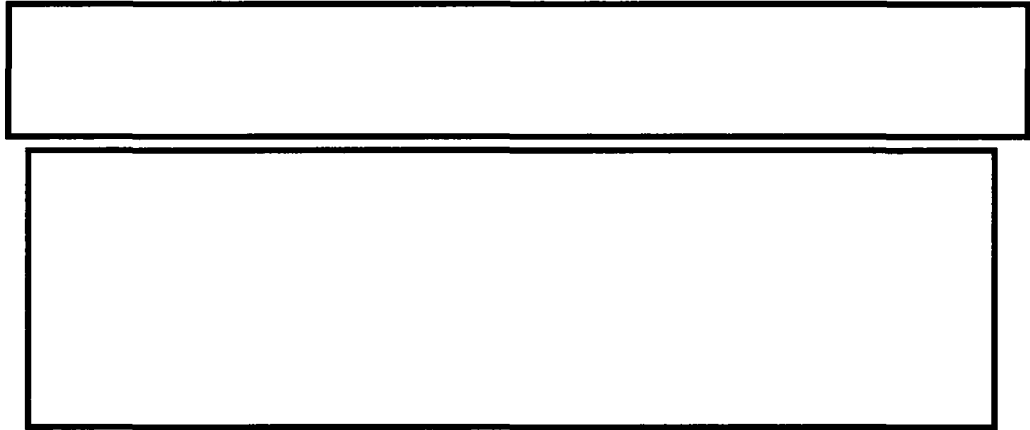
[Redacted] Generate Report

[Redacted]

b2  
b6  
b7C  
b7E



**CDNRS File (\*.cdnrs)**



b2  
b7E

**Figure 3-15: CDNRS File Sample**

## Saving and printing data files



b2  
b7E



The following save and print functions are performed in the DCS Client window:

- Saving the log, summary, or CDNRS file
- Removing a file
- Printing a file
- Forcing a page to print

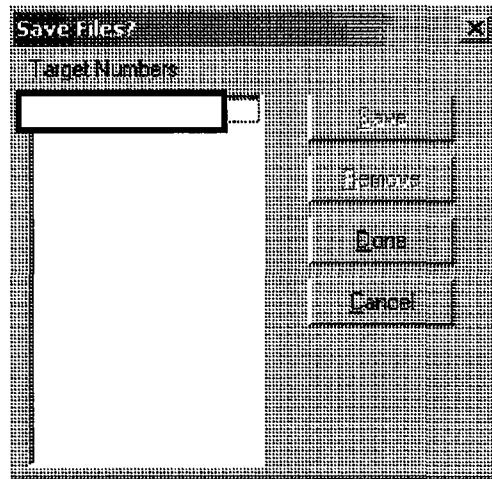


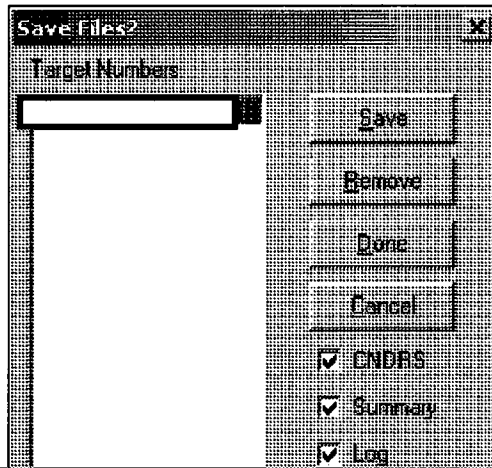
**To save the log, summary, or CDNRS file to a designated drive:**

1.



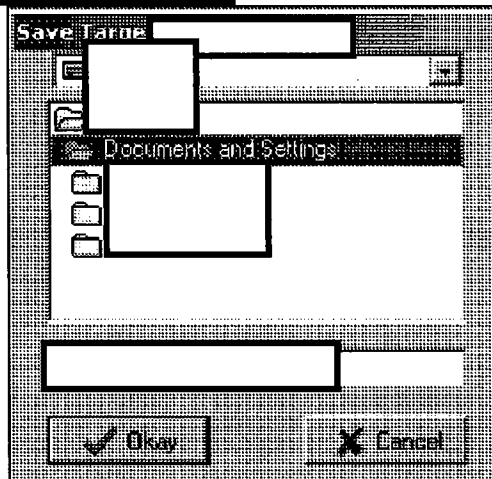
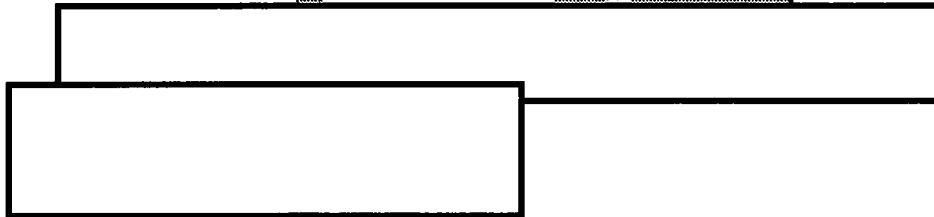
b2  
b6  
b7C  
b7E





b6  
b7C

b2  
b7E

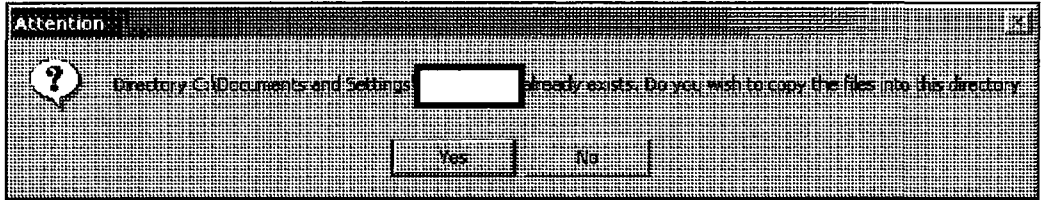


b2  
b6  
b7C  
b7E

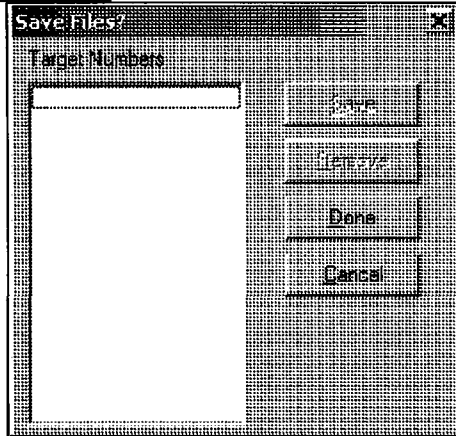
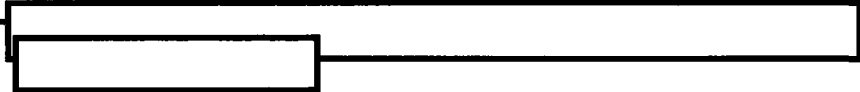
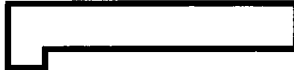
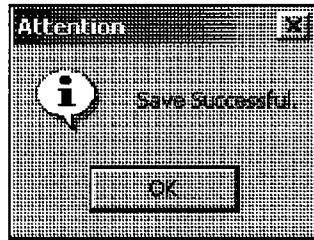




b2  
b6  
b7C  
b7E



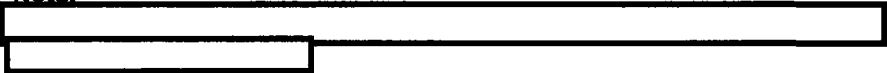
Otherwise, a different Attention window opens.



b2  
b7E



Note:

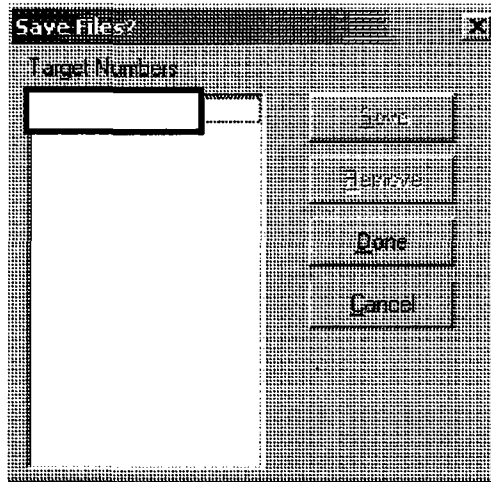




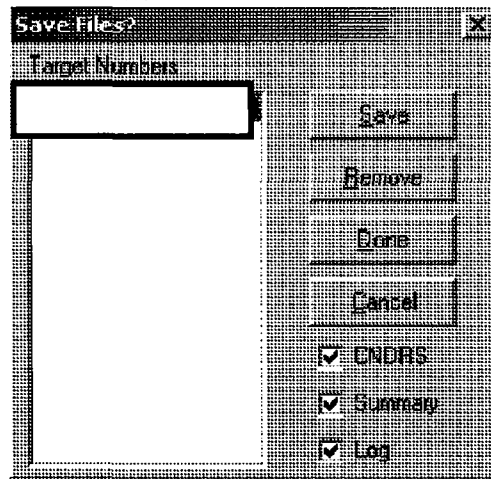
To remove a file from the default directory of the Client workstation:



b2  
b6  
b7C  
b7E

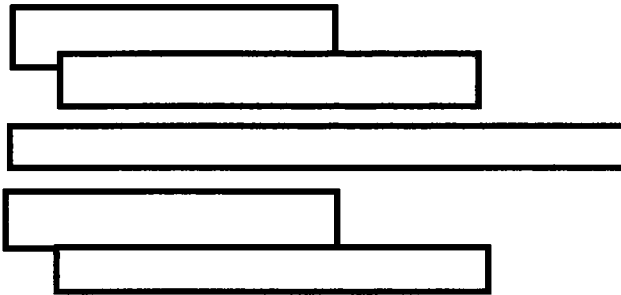
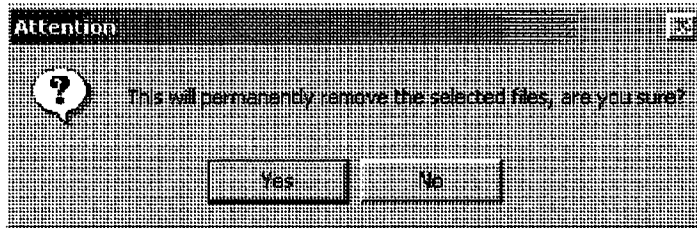


b2  
b6  
b7C  
b7E





b2  
b7E

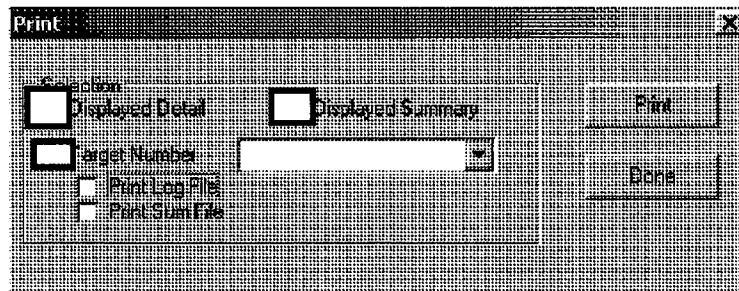


Note:  
[Redacted]

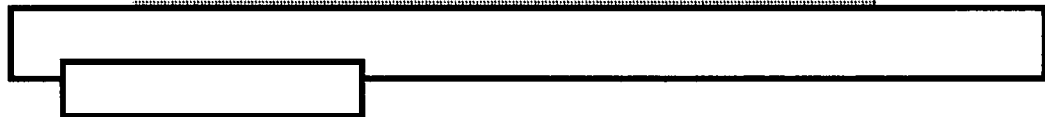
b2  
b7E



**To print a file from the default directory of the Client workstation:**

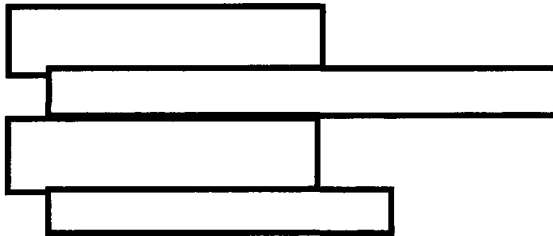
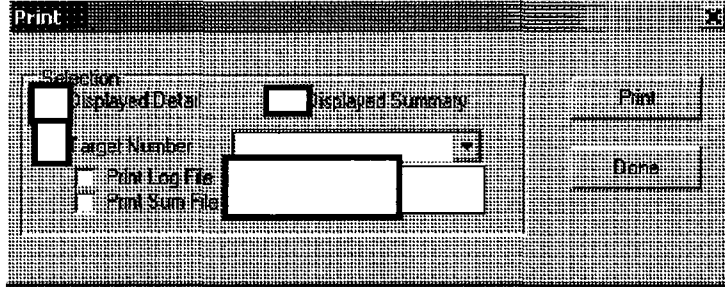


b2  
b7E





b2  
b6  
b7C  
b7E



Note:  


b2  
b7E



**To force a page to print from the default directory of the Client workstation:**

b2  
b7E



## Suspending Target Surveillance

b2  
b7E

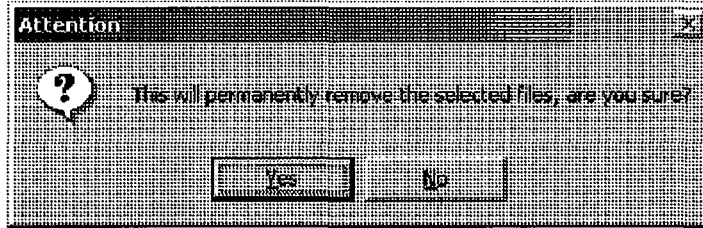


**To suspend surveillance of a target:**

b2  
b6  
b7C  
b7E

b2  
b7E

- 4. [Redacted]



b2  
b7E

- 5. [Redacted]

- 6. [Redacted]

- 7. [Redacted]

Note: [Redacted]

## Shutting Down the Client

---

[Redacted]

[Redacted]

[Redacted]

[Redacted]

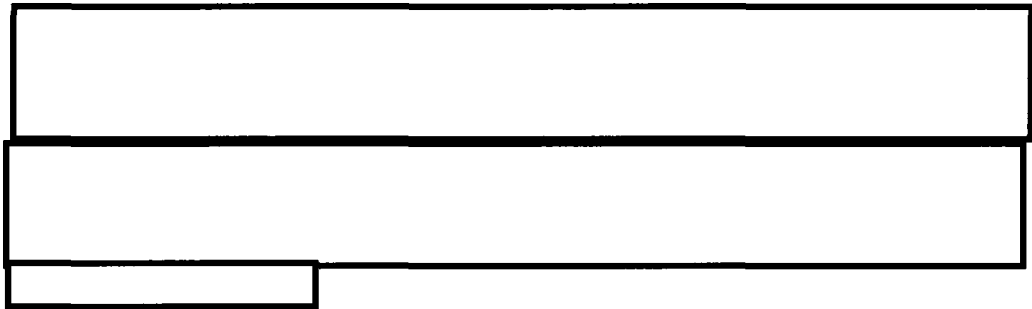
b2  
b7E

**Note:**

[Redacted]

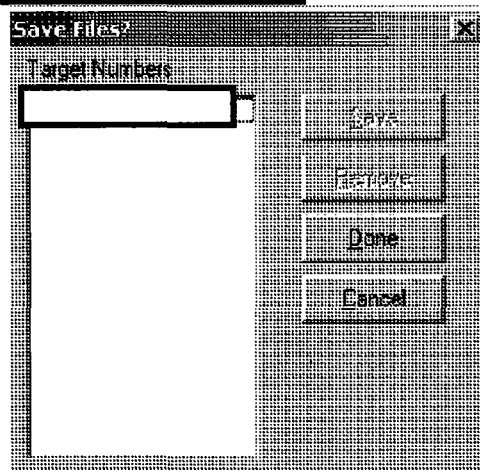
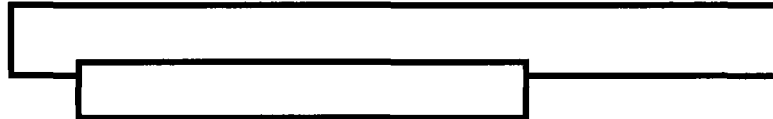
### Disconnect from the Server

b2  
b7E



### To disconnect from all Servers:

b2  
b6  
b7C  
b7E



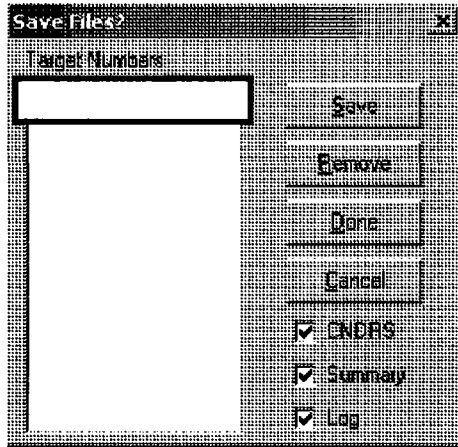


b2  
b7E

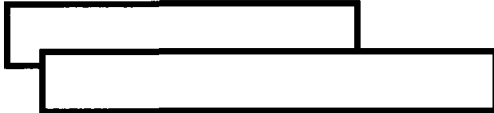
Note:



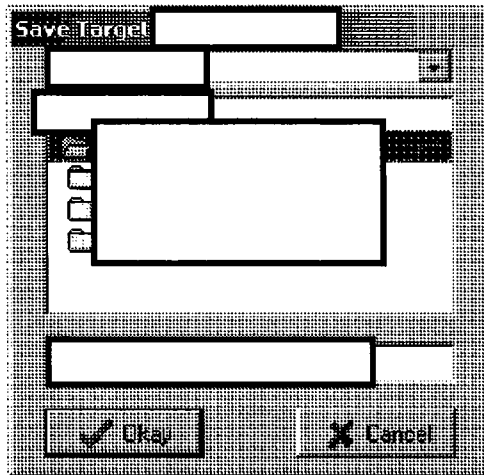
b6  
b7C



b2  
b7E



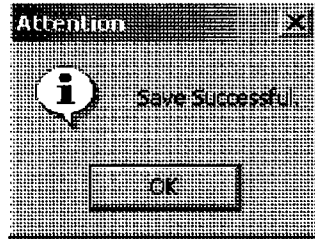
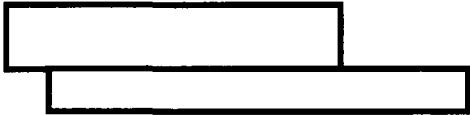
b2  
b6  
b7C  
b7E



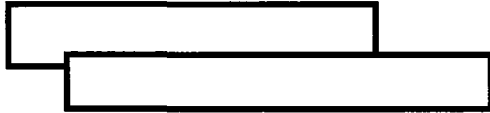
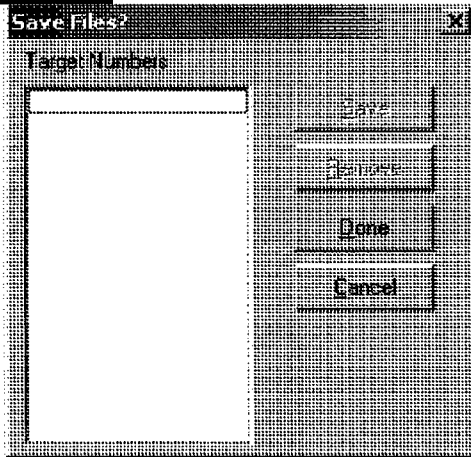
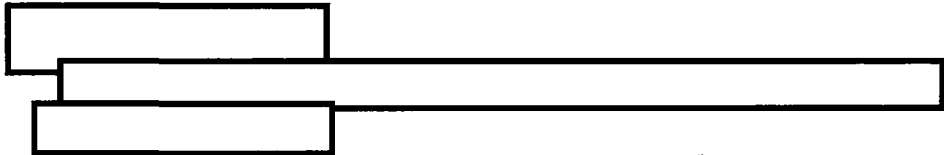
b2  
b7E

Note:





b2  
b7E



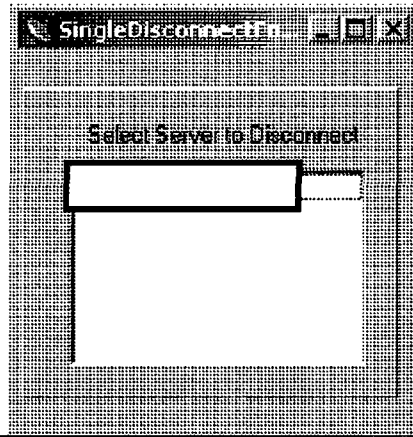
b2  
b7E

Note:





**To disconnect from a specified Server:**



b2  
b7E

## Exit the Client



**To exit the Client application:**

b2  
b7E



**Note:**



## Client Hotkeys

Function	Hotkey
New Warrant	
Save	
Build Summary File	
Connect to Server	
Disconnect from Server	
Request Connect to Switch	
Remove Target DN	
Request Target List	
Configure	
PTT Configure	
Print	b2
Force Print Page	b7E
Exit	
Copy	
Select All	
Clear Detail Screen	
Clear Summary Screen	
Find	
Find Next	
Summary Report	
Summary View	
Targets View	
View Log Files	
Motorola Call Select View	
Start Recorder	
Stop Recorder	
Toggle Recorder	
Hang up (voice line)	

## Quick Steps: DCS Client

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### *Working in the Client Window*

**To show or hide message detail:**

**To show or hide message summaries:**

**To show detailed information in the summary window (from the New Target window):**

**To show or hide targets:**

**To show or hide the Motorola Call Select window:**

**To view the Bull's Eye information:**

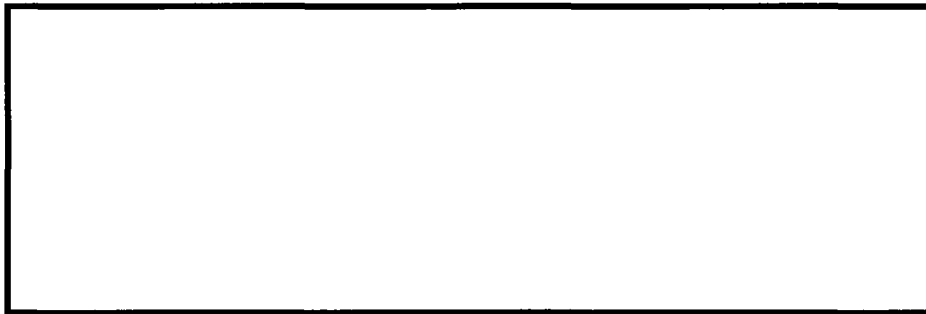
**To view the log files:**

**To clear detail messages from the screen:**

**To clear summary messages from the screen:**

**To search for a word, number, or phrase:**

b2  
b7E



b2  
b7E

**To copy a text selection:**

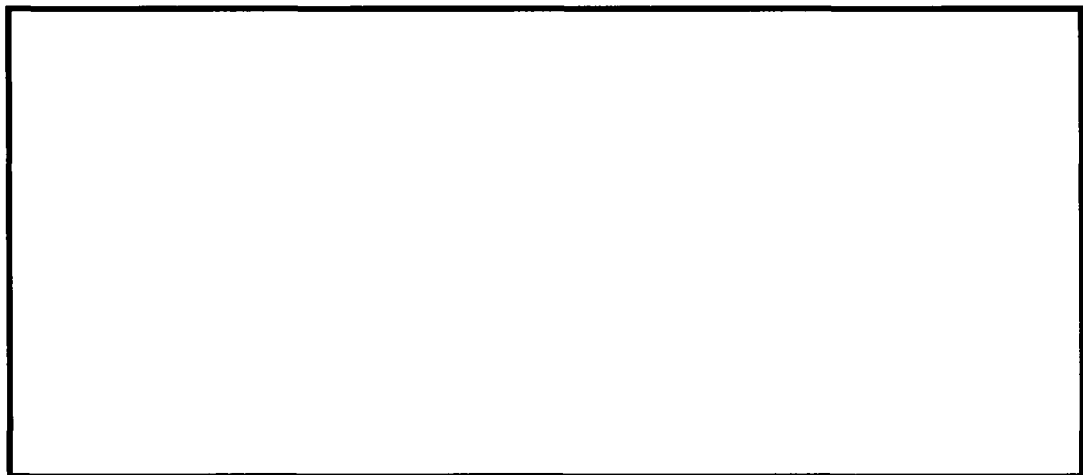


**To copy all text:**



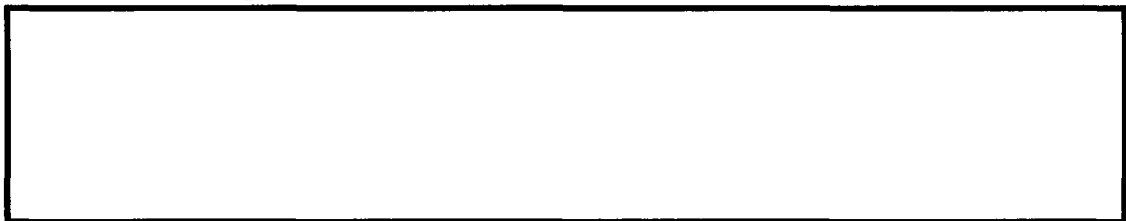
### ***Setting up a Collection - Pen Register***

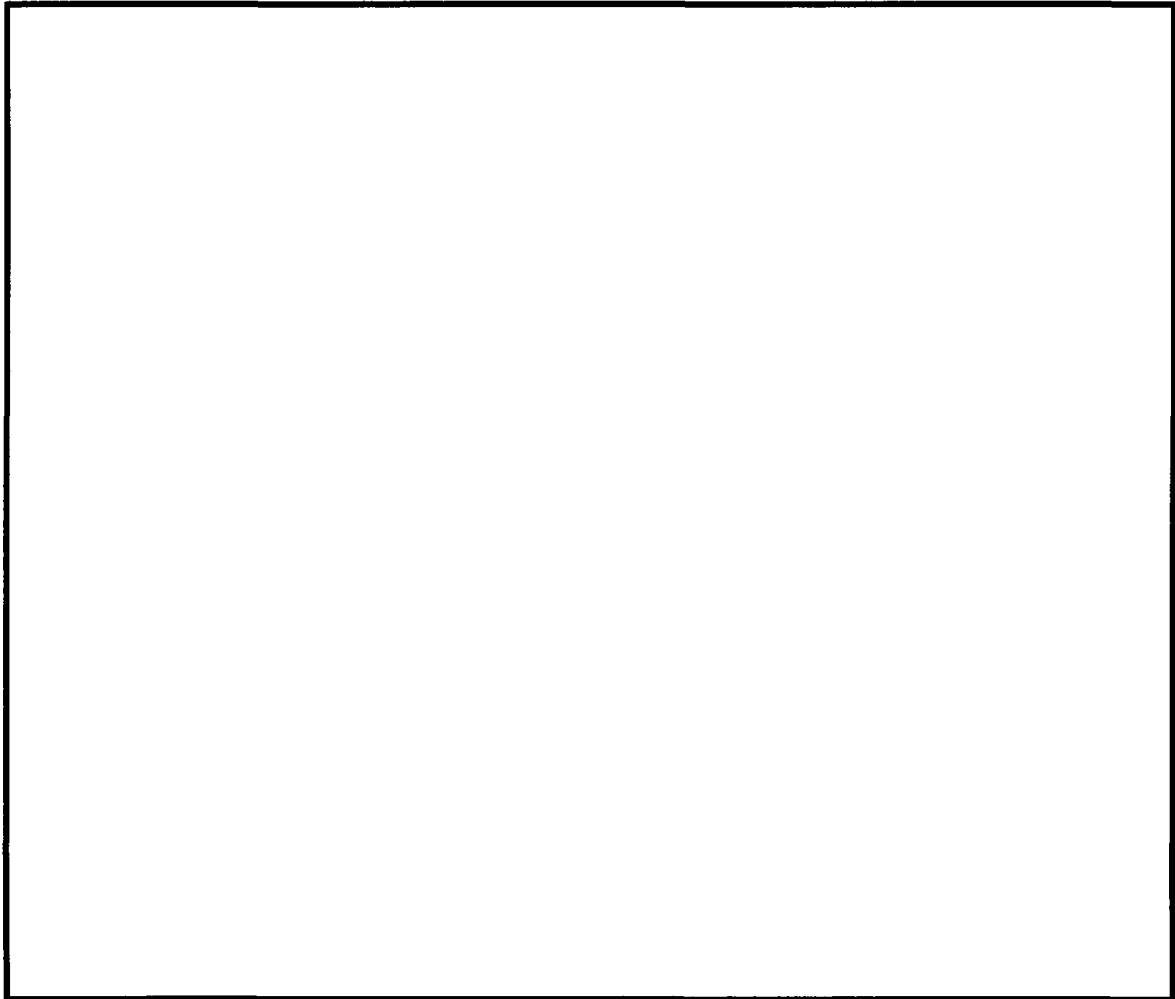
**To configure the Client for a Pen Register collection:**



b2  
b7E

**To enter a Pen Register warrant:**

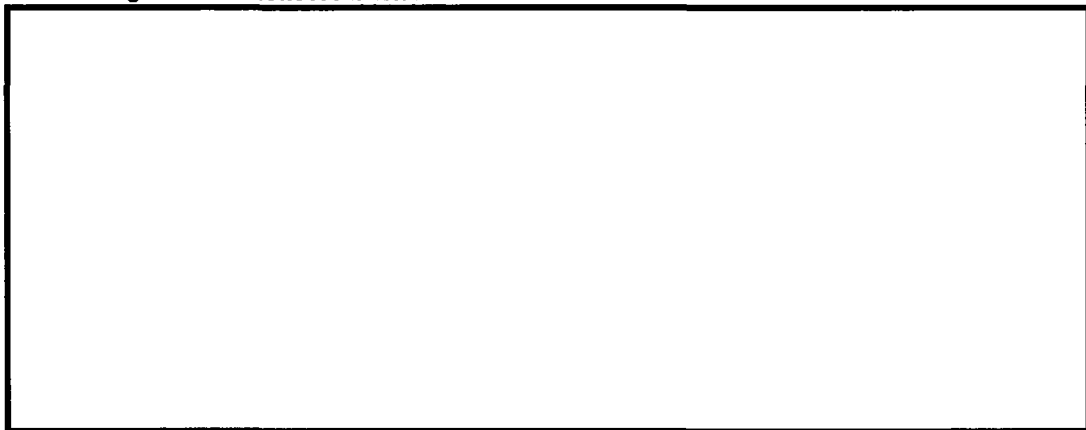




b2  
b7E

***Setting up a Collection - Title 3***

**To configure the Client for a Title 3 collection:**



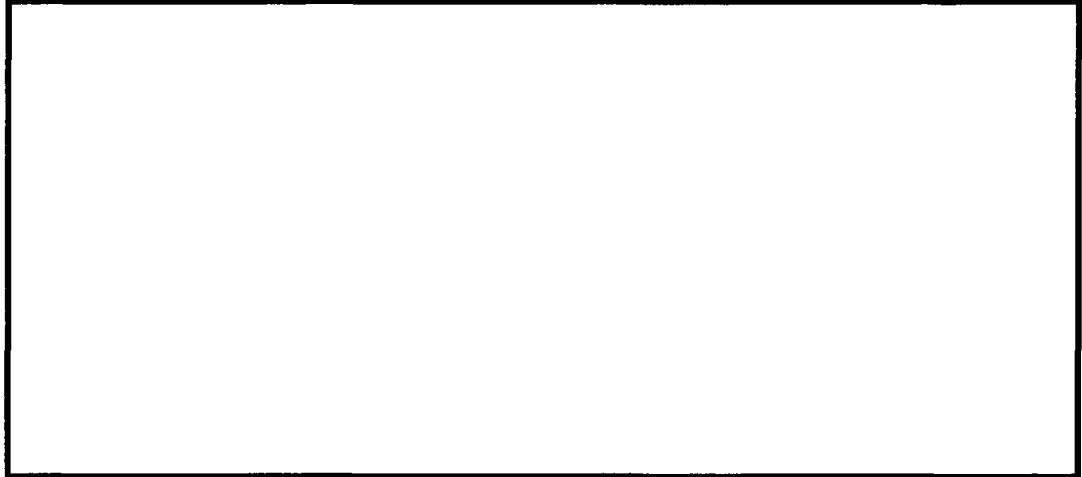
b2  
b7E

**To enter a Title 3 warrant:**

b2  
b7E

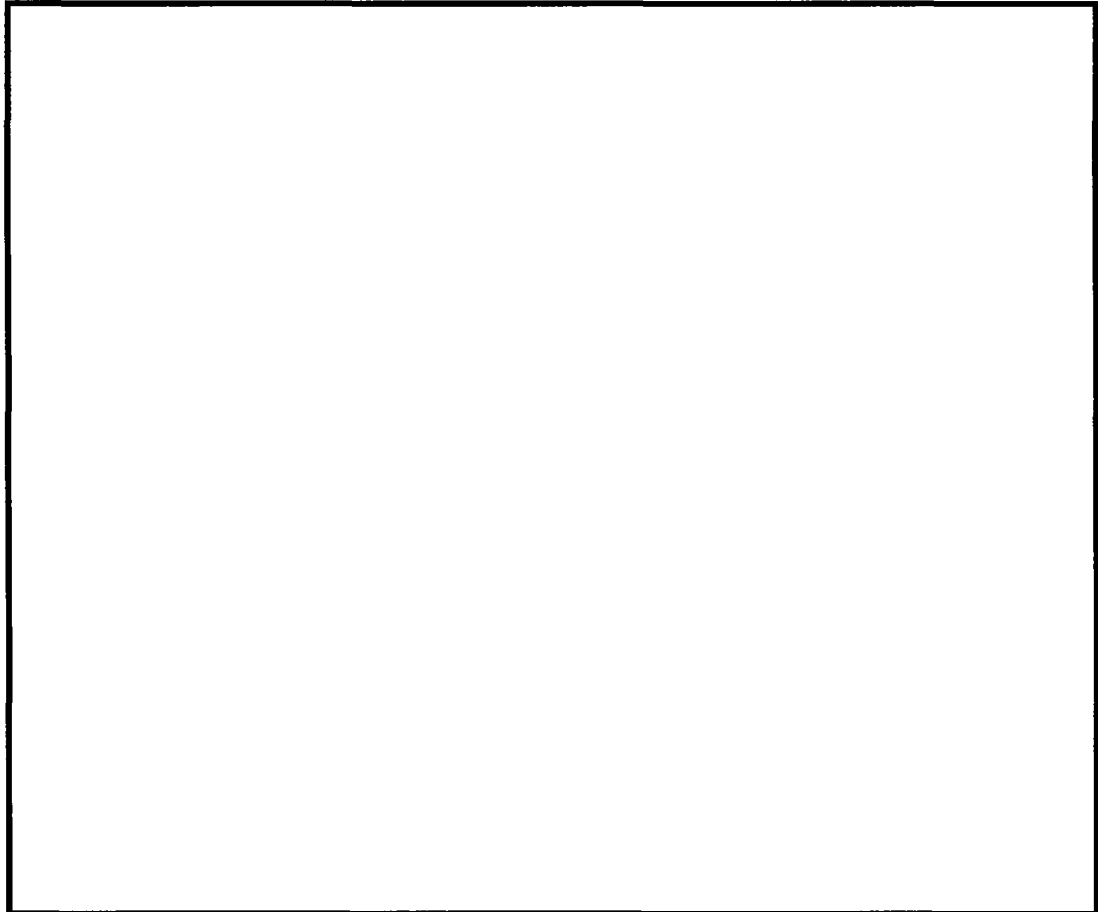
### *Setting up a Collection - Cooperative Warrant*

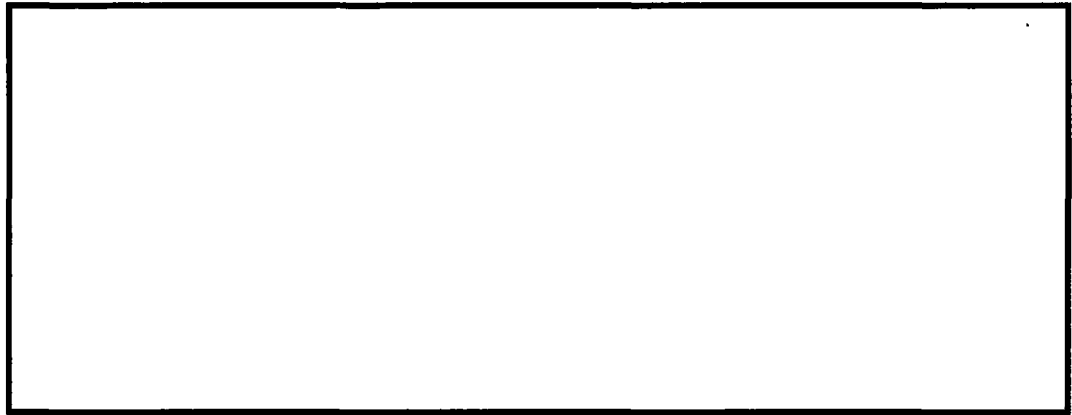
**To configure the Client for a CW collection:**



**To enter a CW warrant:**

b2  
b7E

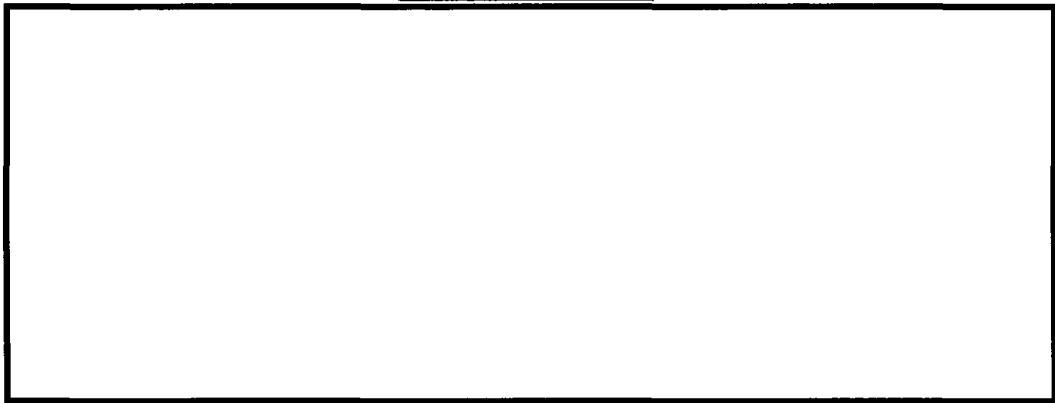




***Setting up a Specialized Connection***

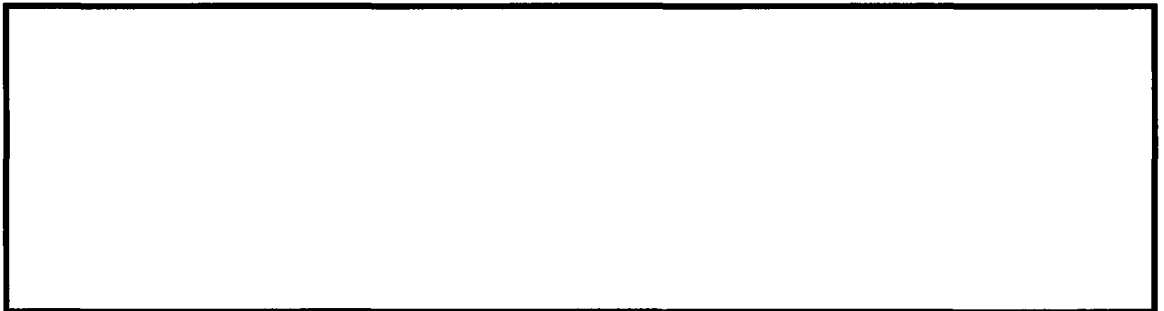
To configure a connection to a  Application:

b2  
b7E



***Establishing a Connection***

To send a target to the Server:



**To connect to the Server:**

**To connect to the Server after previous disconnect:**

**To connect to the Switch:**

**To request the Target List:**

b2  
b7E

### ***Editing and Removing Warrants***

**To modify a warrant:**

**To delete a warrant:**

### *Monitoring and Recording Calls*

**To record calls:**

### *Storing and Printing Target Data Files*

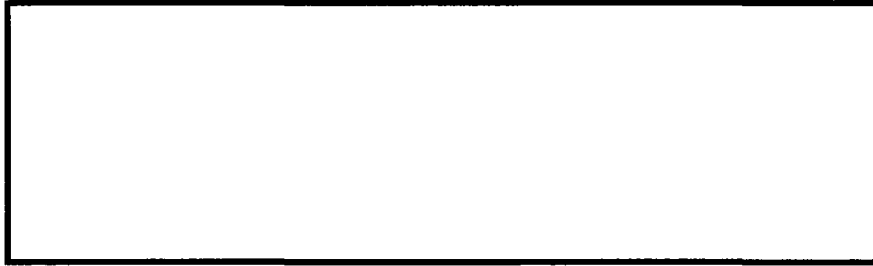
**To generate the Advanced Summary file:**

**To request a summary file:**

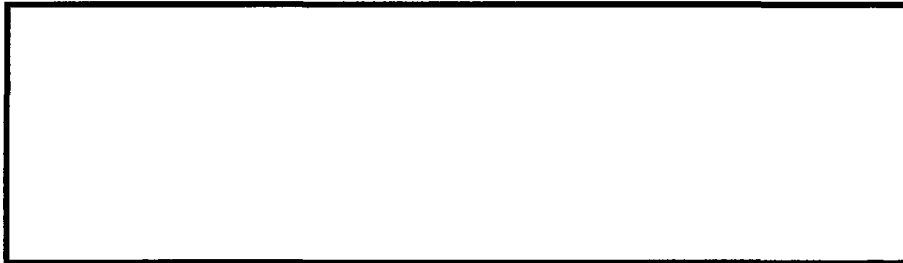
b2  
b7E

**To save the log, summary, or CDHRS file to a designated drive:**

**To remove a file from the default directory of the Client workstation:**



**To print a file from the default directory of the Client workstation:**



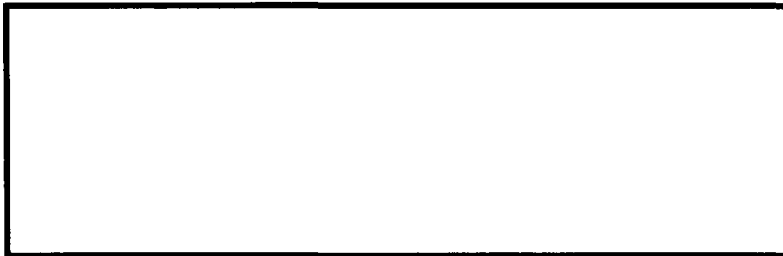
**To force a page to print:**



b2  
b7E

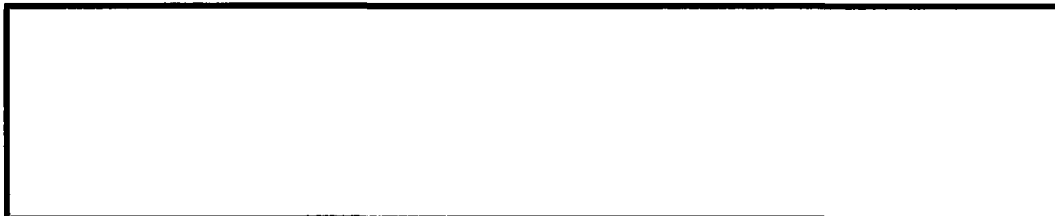
### ***Suspending Target Surveillance***

**To suspend surveillance of a target:**



### ***Shutting Down the Client***

**To disconnect from all Servers:**





**To disconnect from a specified Server:**



**To exit the Client application:**



b2  
b7E