

Data Collection System (DCS) 3000

User Guide

Chapter 4

Software Version Numbers: Server V 4.5e

DCS Server

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The DCS Server helps maintain the integrity of case information by preventing Law Enforcement Agencies (LEAs) from receiving unauthorized call related data and content.



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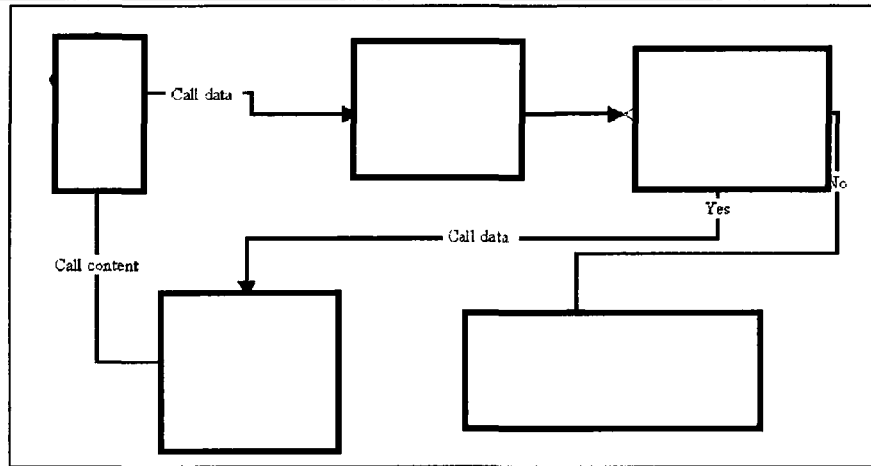
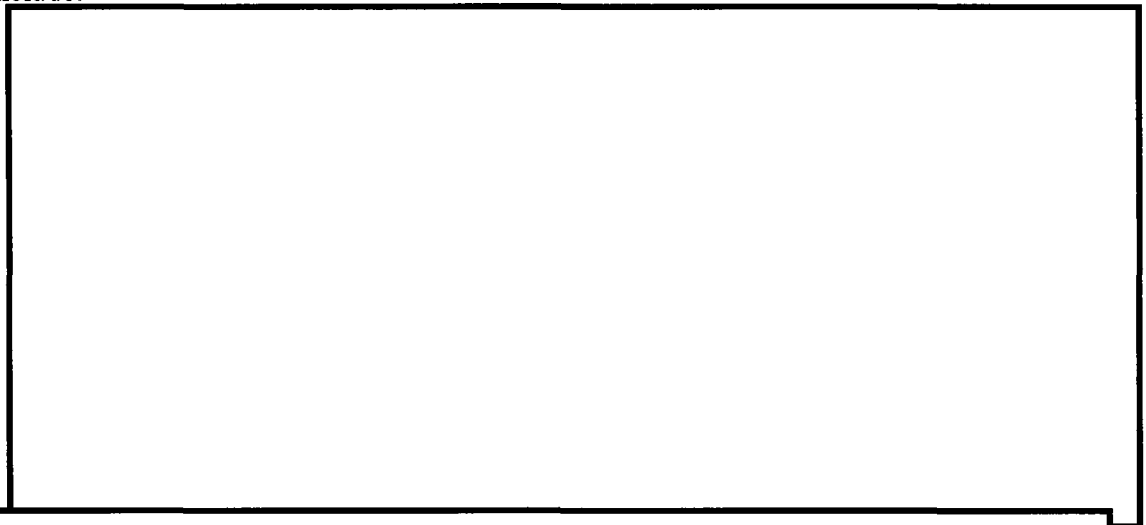


Figure 4-1: Server Data Flow

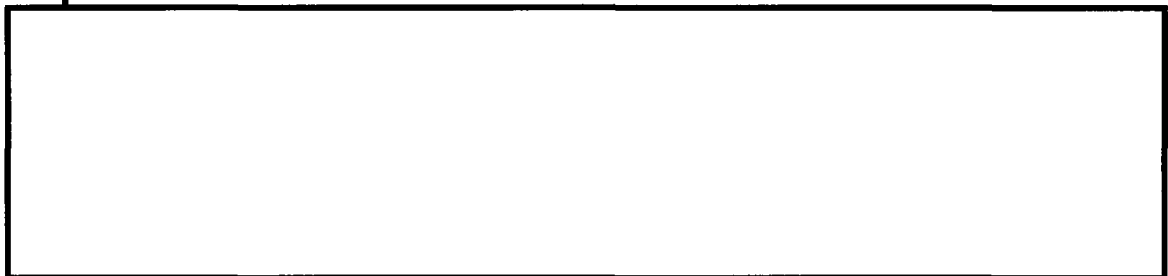


Some examples

include:



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Intercepting Nextel Push-to-Talk Calls

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Decoders

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PTT Data Flow

DCS 3000 consists of several applications.

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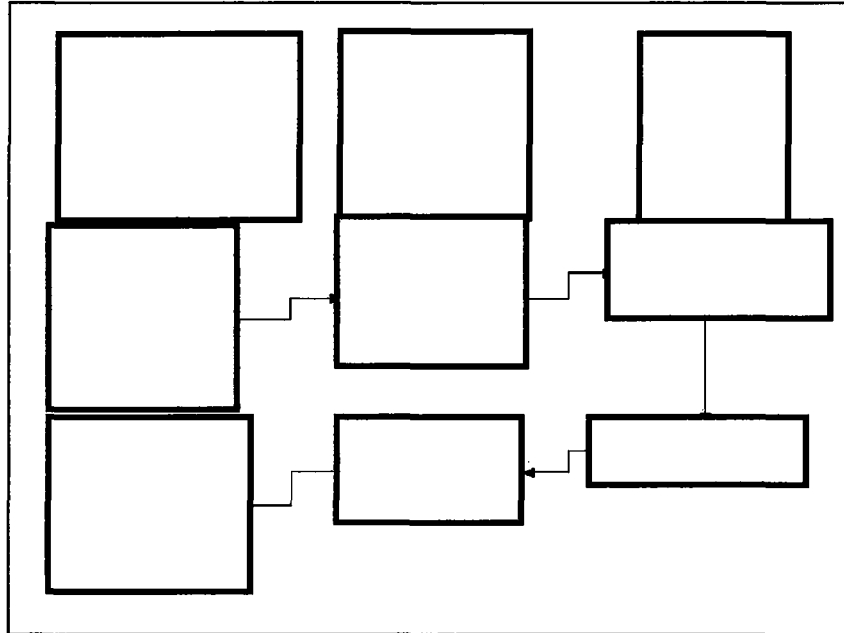
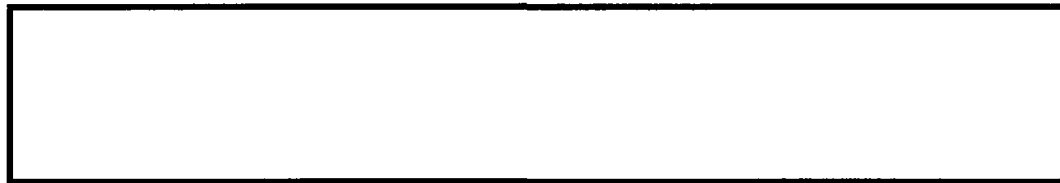


Figure 4-2: Summary of PTT Surveillance Process

Server Settings and Options



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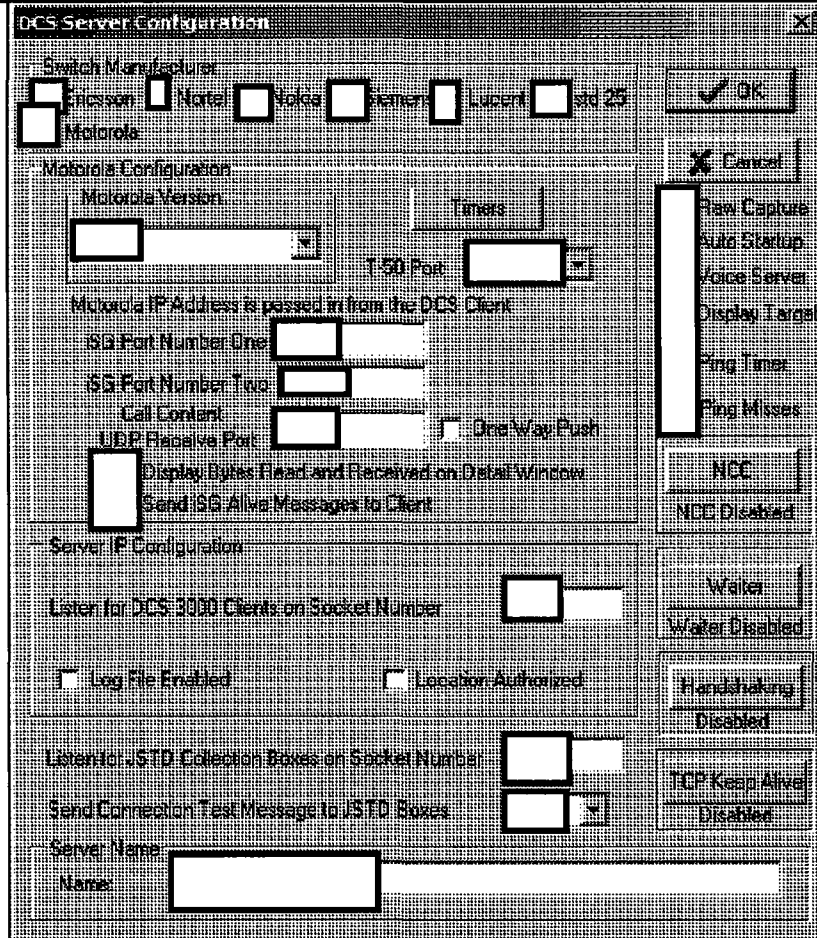


Figure 4-3: DCS Server Configuration Window



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Figure 4-4: DCS Server Configuration window

The settings and options section of this chapter are presented in the following order:

- Server Options
- Switch-Specific Settings

Server Options



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Row Capture
Auto Startup
Voice Server
Display Target
Ping Timer
Ping Misses

NEC
GDC Disabled

Server IP Configuration

Listen for DCS 3000 Clients on Socket Number

Log File Enabled Location Authorized

Listen for JSTD Collection Boxes on Socket Number

Send Connection Test Message to JSTD Boxes

Server Name

Water
Water Disabled

Handshaking
Disabled

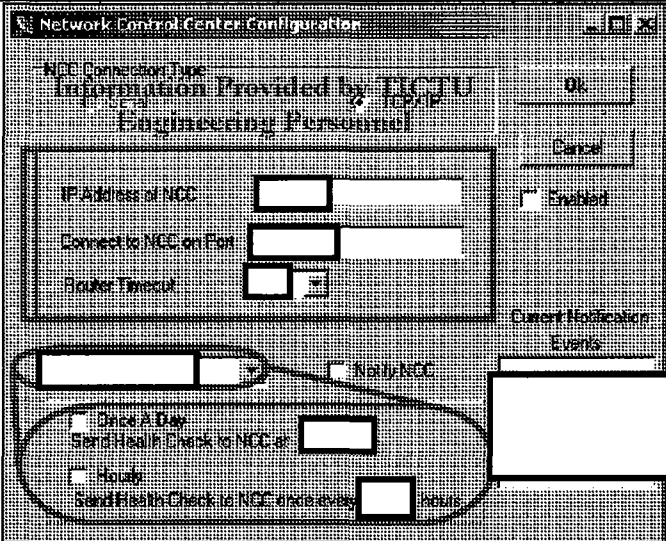
TCP Keep Alive
Disabled

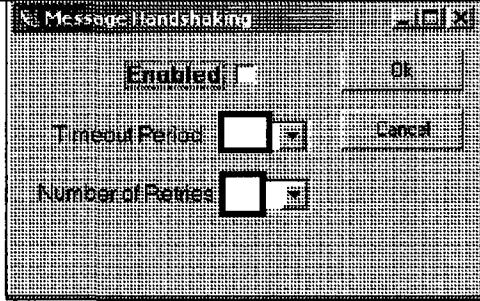
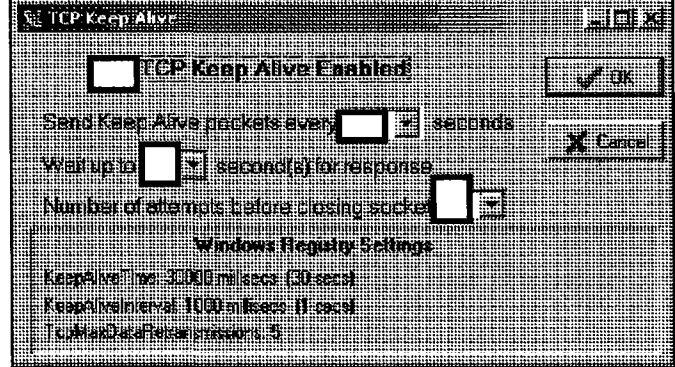
Figure 4-5: DCS Server Configuration Window - Standard Options

This table describes the options available for all Server connections.

Setting/Option	Description
Listen on Socket Number	
Log File Enabled	
Location Authorized	
Listen for JSTD Collection Boxes on Socket Number	
Send Collection Test Message to JSTD Boxes	
Server Name	
Raw Capture	
Auto Startup	
Voice Server	
Display Target	
Ping Timer	
Ping Misses	
NCC	

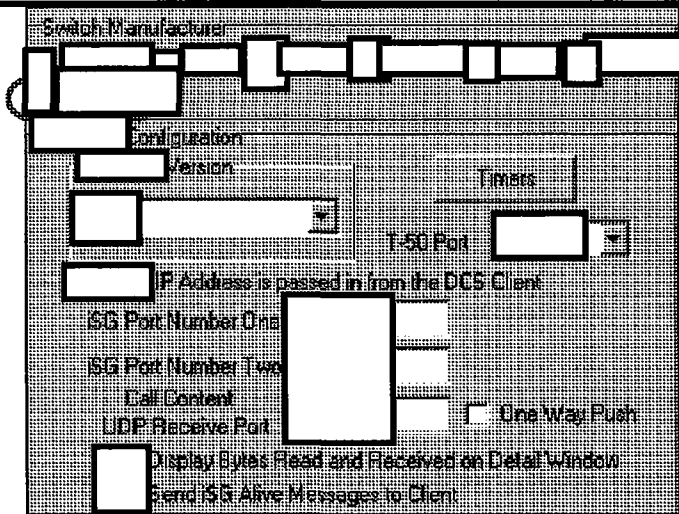
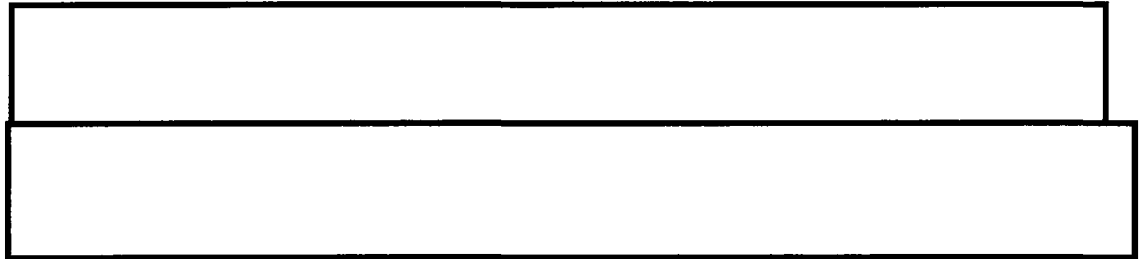
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Setting/Option	Description
<p data-bbox="505 289 732 342"><i>Network Control Center Configuration Window</i></p> <p data-bbox="540 832 613 906">b2 b7E</p>	 <p>The screenshot shows a 'Network Control Center Configuration' dialog box. It includes fields for 'IP Address of NCC', 'Connect to NCC on Port', and 'Buffer Timeout'. There are checkboxes for 'Enabled' and 'Send Health Check to NCC at' (with options for 'Once a Day' and 'Hourly'). A 'Cancel/Notification Events' button is also visible.</p>

Setting/Option	Description
Waiter	
Handshaking <i>Message Handshaking Window</i>	
TCP Keep Alive <i>TCP Keep Alive Window</i>	

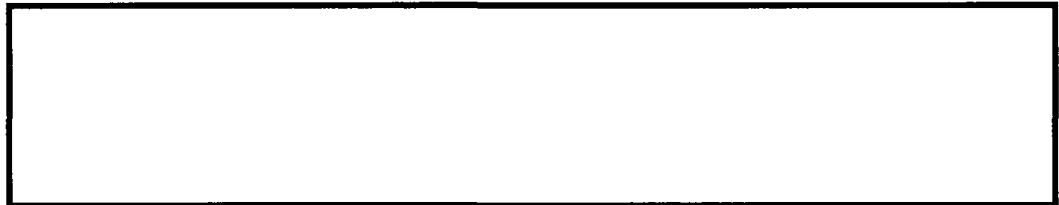
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Switch-Specific Settings

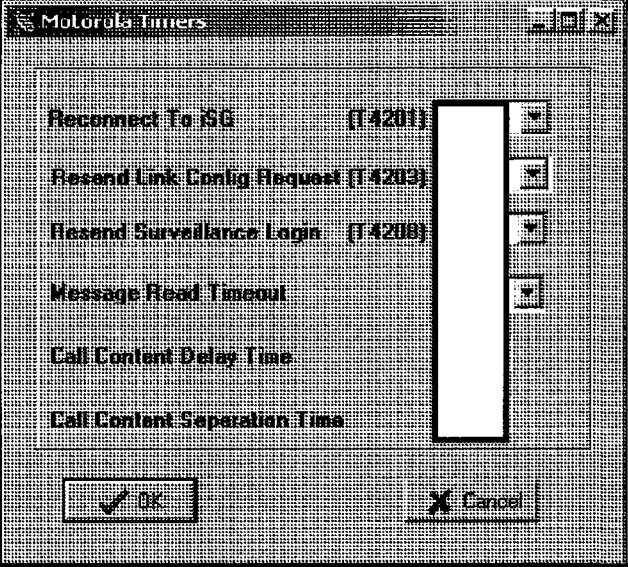


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Figure 4-8: DCS Server Configuration Window – Switch-Specific Settings



This table describes the Motorola settings and options.

Setting/Option	Description
Motorola Version	
Timers	
<i>Motorola Timers Window</i>	
<p>b2 b7E</p>	
T-50 Port	
iSG Port Number One and Two	
Call Content / UDP Receive Port	
One Way Push	

Setting/Option	Description
Display Bytes Read and Received on Detail Window	
Send iSG Alive Messages to Client	

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Using the DCS Server



- Working in the Server Window
- Configuring the Server
- Configuring the Client
- Configuring the VSELP Decoder
- Establishing a Connection
- Monitoring Activity
- Storing Target Data Files
- Shutting Down the DCS Server

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Working in the Server Window



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To clear detail messages from the Server window:



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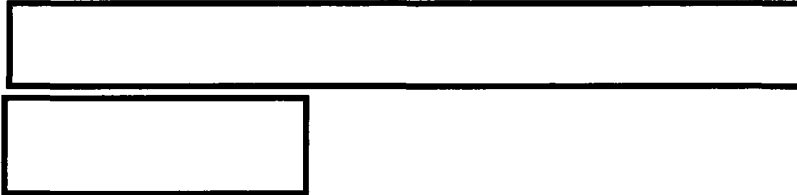


To cut a text selection:

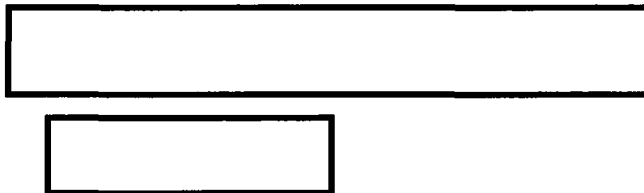




To copy a text selection:



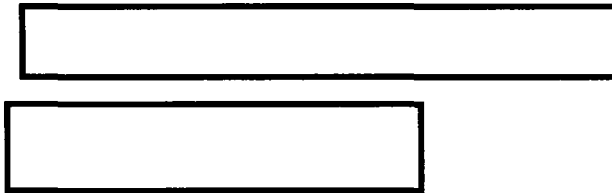
To cut all text:



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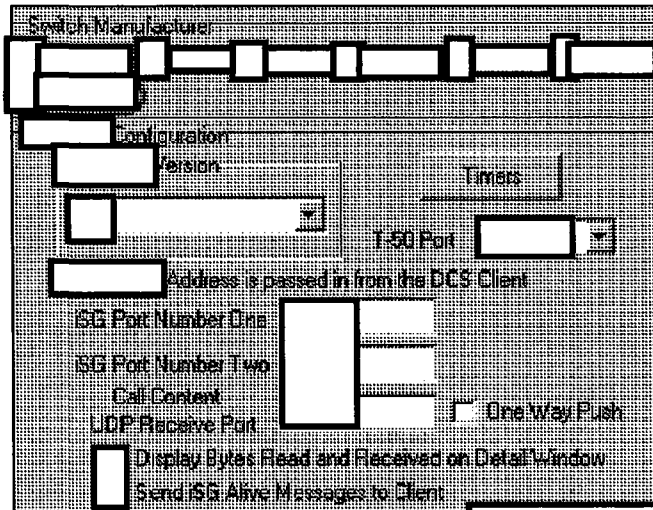


To copy all text:



Configuring the Server

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b7E

Figure 4-7: DCS Server Configuration Window



To set up the Server for a PTT intercept:

[Redacted]

[Redacted]

Password:
Enter Configuration Password: [Redacted]
[Ok] [Cancel]

[Redacted]

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[Redacted]

[Redacted]

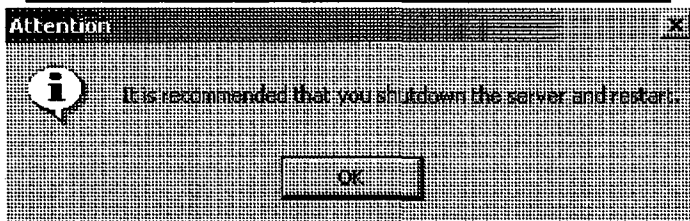
Switch Manufacturer: [Redacted]
[Redacted]
[Redacted] Application [Redacted]
[Redacted] Person [Redacted] [Timer's]
[Redacted] T-50 Port [Redacted]
[Redacted] Address is passed in from the DCS Client
ISG Port Number One [Redacted]
ISG Port Number Two [Redacted]
Call Context [Redacted]
UDP Receive Port [Redacted] OneWay Push
[Redacted] Display Bytes Read and Received on Detail Window
Send ISG Alarm Messages to Client

[Redacted]

[Redacted text block]

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Note:



[Redacted text block]

Configuring the Client

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

Note:

[Redacted]

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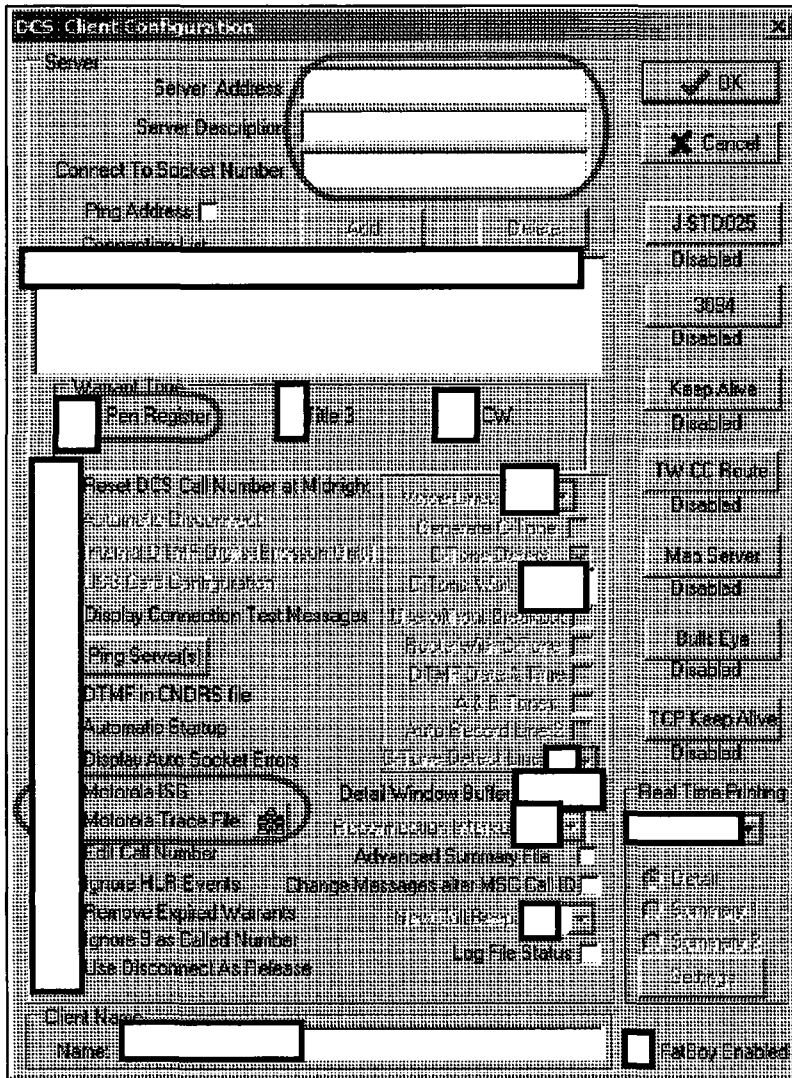


Figure 4-8: DCS Client Configuration Window - PTT Settings

Enter the Warrant Through the DCS Client



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

- Buttons:** New, Save, Delete, Done, Activate, Previous, Next, Expand.
- Text Fields:** Target Name, Phone Number, Case ID (CI), Start Date, Start Time, Stop Date, Stop Time, Warrant ID, Wave File, Warrant Type, Last Call Number, Telco, Thin Client ID (ID), Call Direction Authorization.
- Specialized Fields:** Warrant Length (with dropdowns for days, hours, minutes), Track By, Sort By.
- Other:** An "Expand" button and a status indicator "(1 of 2) Servers".

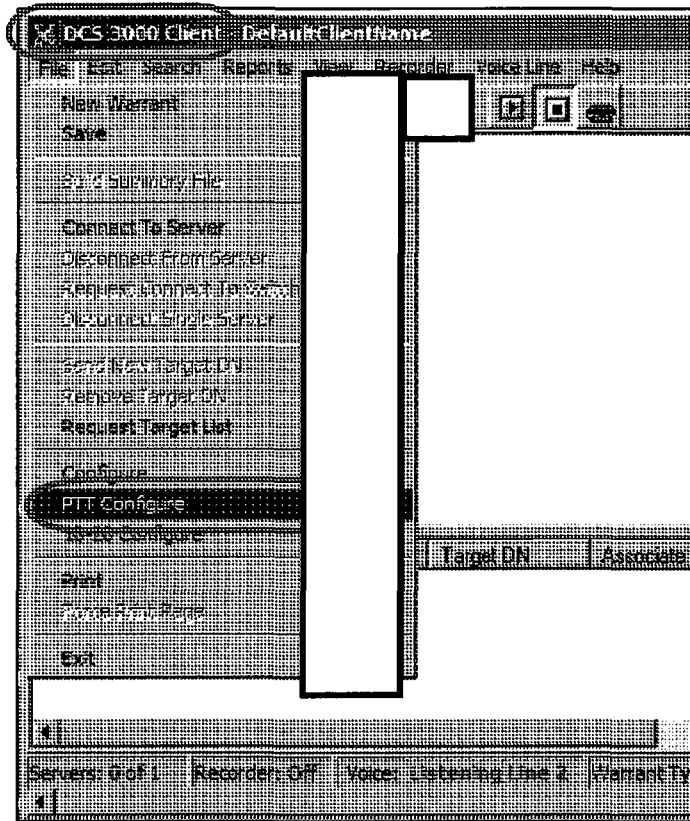
b2
b7E

Figure 4-9: PTT Warrant Database Window



Identify PTT Targets Through the DCS Client

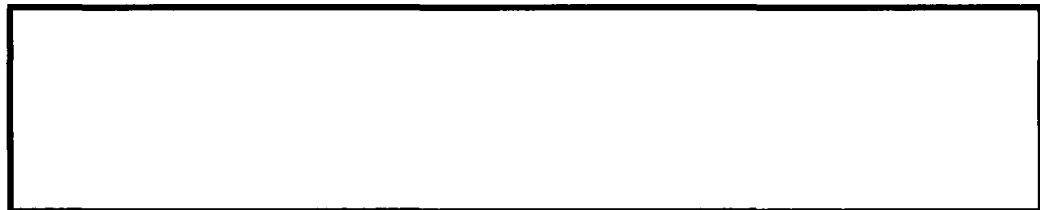




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Figure 4-10: DCS Client Main Display – File Menu Options

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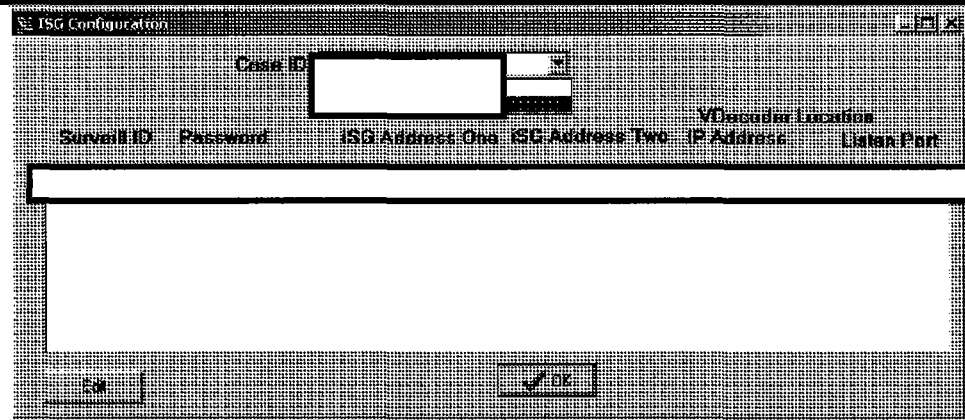


Figure 4-11: ISG Configuration window

This table describes the features of the iSG Configuration window.

Option	Description
Case ID drop-down list	
iSG target list	
Edit	
OK	

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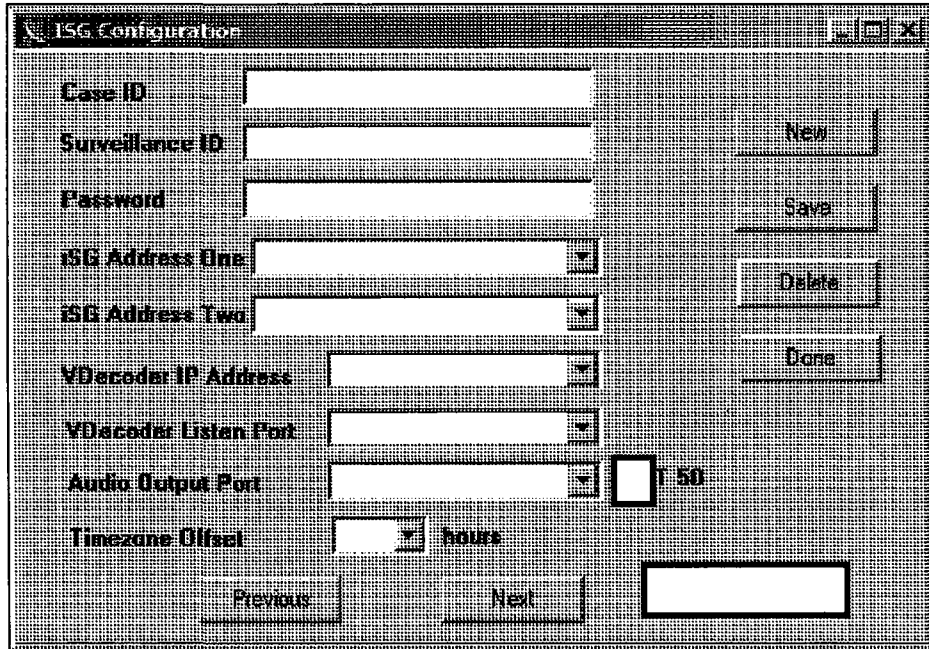


Figure 4-12: iSG Configuration Detailed Window

This table describes the features of the iSG Configuration detail window.

Option	Description
Case ID	
Surveillance ID	
Password	
iSG Address One	
iSG Address Two	
Vdecoder IP Address	
VDecoder Listen Port	

b2
b7E

Option	Description
Audio Output Port	
Timezone Offset	
T 50	
Previous	
Next	
New	
Save	
Delete	
Done	

b2
b7E

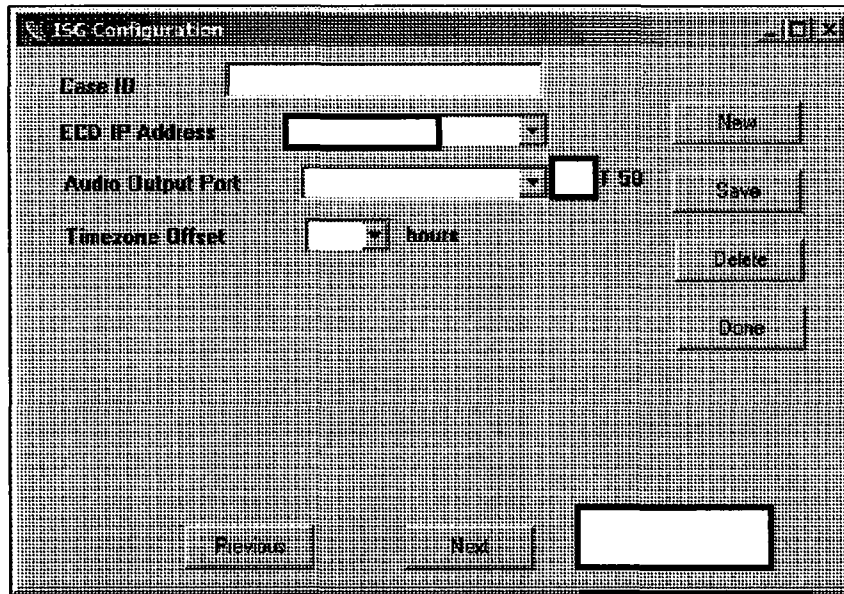


Figure 4-12a: ISG Configuration Detailed Window for [redacted]

Option	Description
Case ID	
ECD IP Address	
Audio Output Port	
Timezone Offset	
T 50	
Previous	
Next	
New	
Save	
Delete	
Done	

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b7E



To identify PTT targets:

1.

ISG Configuration

Date:

Server ID: Password: ISG Address One: ISG Address Two: VDecoder Location: IP Address: Listen Port:

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b7C
b7E



The image shows a screenshot of the 'ISG Configuration' dialog box. It contains several input fields and buttons. The fields are: Case ID, Surveillance ID, Password, ISG Address One, ISG Address Two, VDecoder IP Address, VDecoder Listen Port, Audio Output Port, and Timezone Offset. The buttons are: New, Save, Delete, Done, Previous, and Next. There is also a checkbox for 'T-50' and a 'hours' label next to the Timezone Offset field.

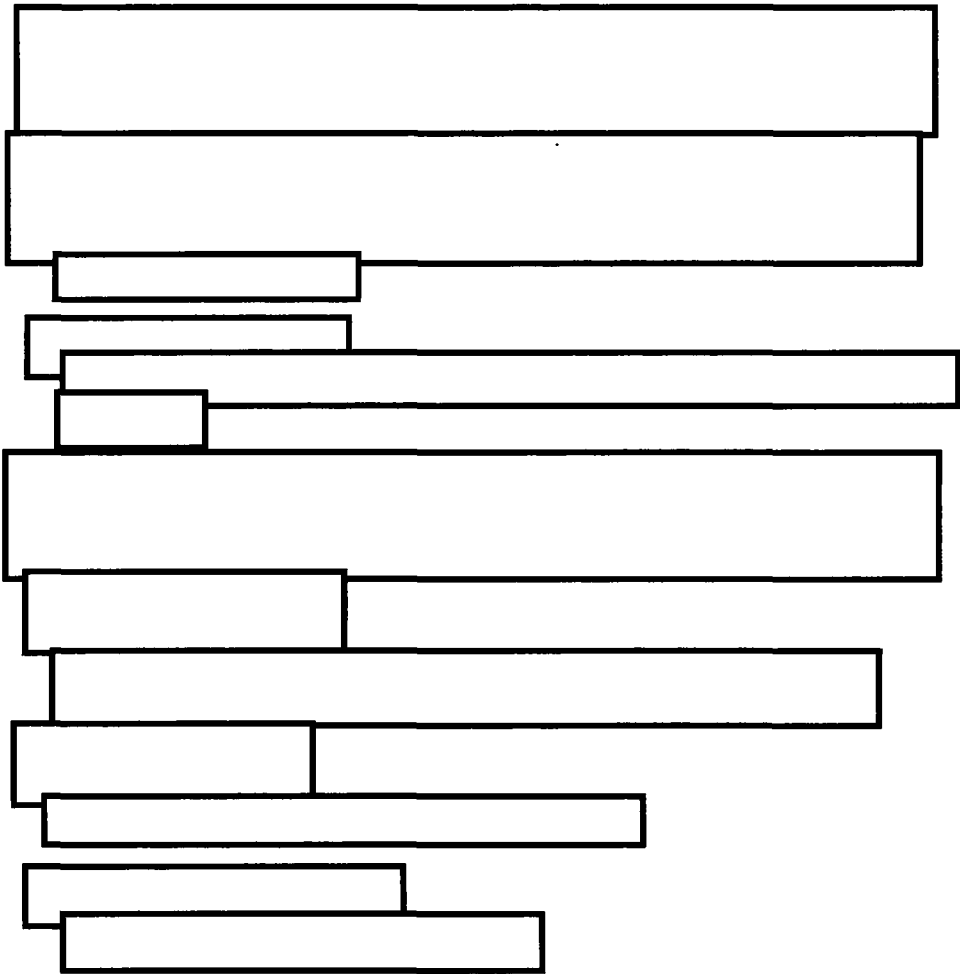
b2
b7E



- OR -



This is a duplicate of the 'ISG Configuration' dialog box shown above. It contains the same fields and buttons: Case ID, Surveillance ID, Password, ISG Address One, ISG Address Two, VDecoder IP Address, VDecoder Listen Port, Audio Output Port, Timezone Offset, Previous, Next, New, Save, Delete, Done, and a checkbox for 'T-50'.



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b2
b7E



[Redacted]

1.

[Redacted]

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ISG Configuration

Case ID [Redacted]

Surveillance ID [Redacted] Password [Redacted] VDecoder Location [Redacted]

ISG Address One [Redacted] ISG Address Two [Redacted] IP Address [Redacted] Listen Port [Redacted]

[Redacted]

OK

2.

[Redacted]

b2
b7E

ISG Configuration

Case ID [Redacted]

Surveillance ID [Redacted] New

Password [Redacted] Save

ISG Address One [Redacted] Done

ISG Address Two [Redacted] Done

VDecoder IP Address [Redacted]

VDecoder Listen Port [Redacted]

Audio Output Port [Redacted] 150

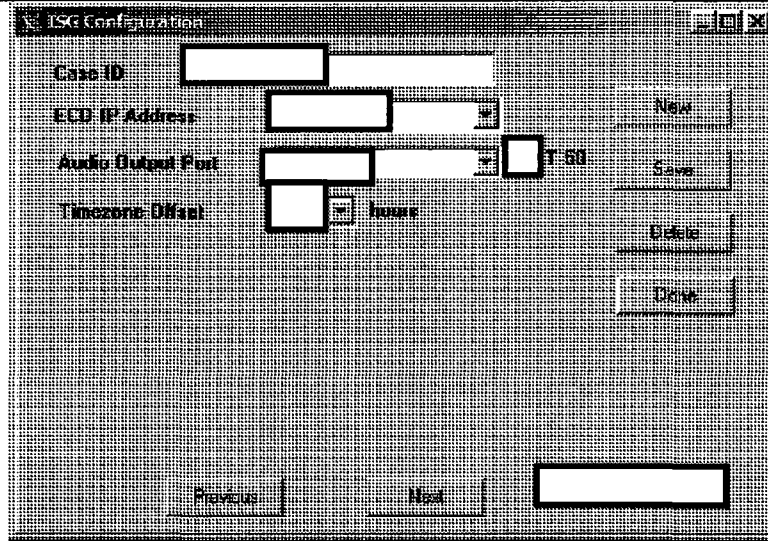
Timezone Offset [Redacted] hours

Previous Next [Redacted]

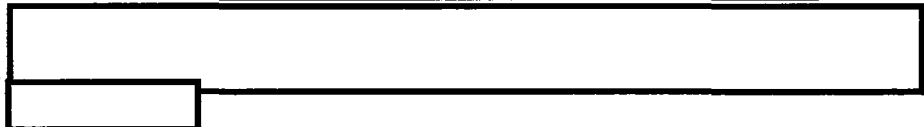
3.



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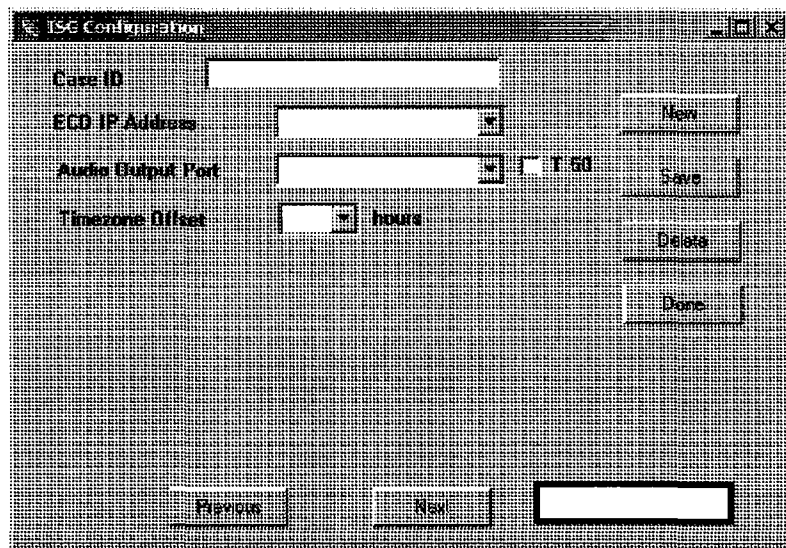
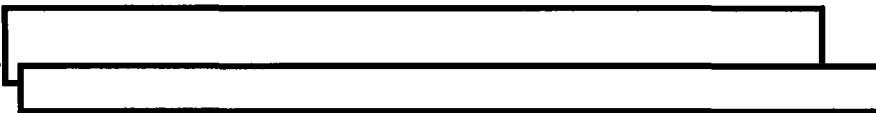
4.

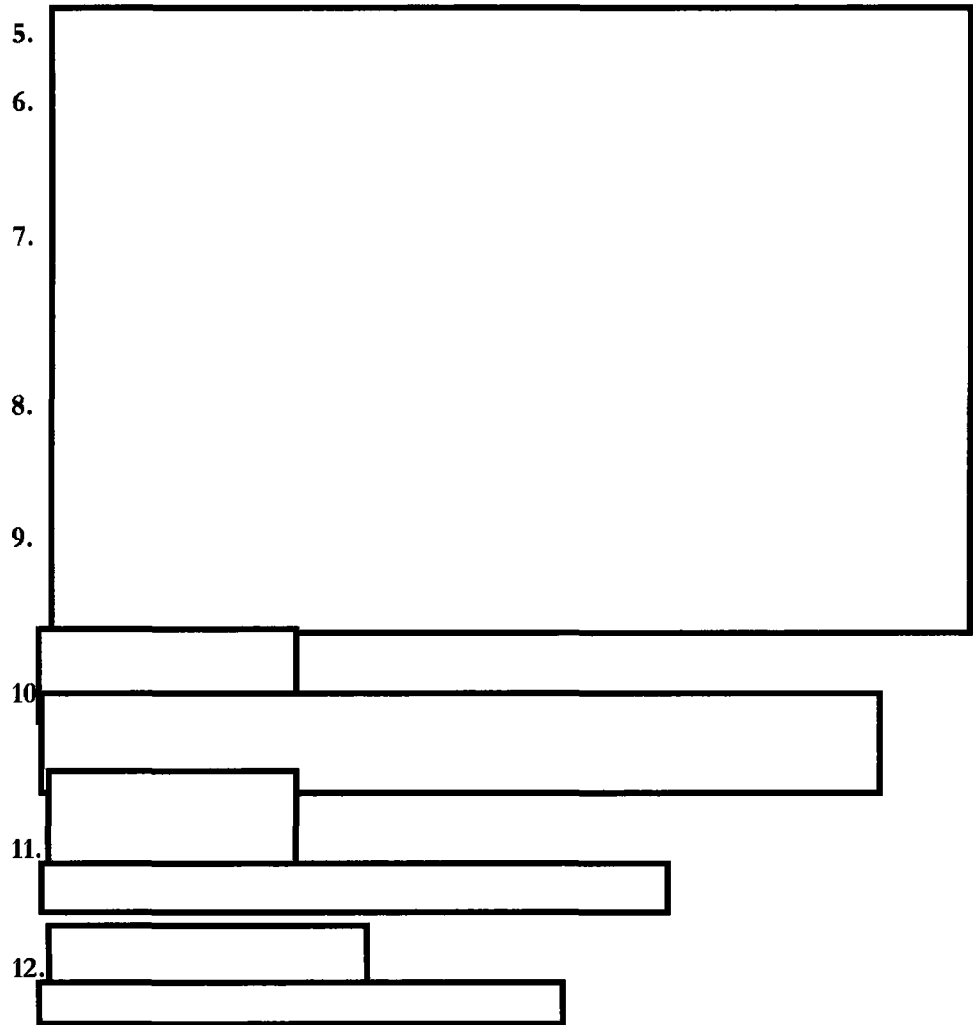


- OR -

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4.





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To remove PTT targets:

1.

[Redacted]

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ISG Configuration

Case ID: [Redacted]

Surveill ID	Password	ISG Address One	ISG Address Two	VDecoder Location	IP Address	Listen Port
[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]

[OK] [Cancel]

2.

[Redacted]

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b7C
b7E

ISG Configuration

Case ID: [Redacted]

Surveillance ID: [Redacted]

Password: [Redacted]

ISG Address One: [Redacted]

ISG Address Two: [Redacted]

VDecoder IP Address: [Redacted]

VDecoder Listen Port: [Redacted]

Audio Output Port: [Redacted] T-58

Timezone Offset: [Redacted] hours

[New] [Save] [Cancel] [Done]

[Previous] [Next] [Redacted]




Note:

[Redacted]

3.

[Redacted]

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- 4. 
- 5. 
- 6. 

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View and Record PTT Targets Through the DCS Client

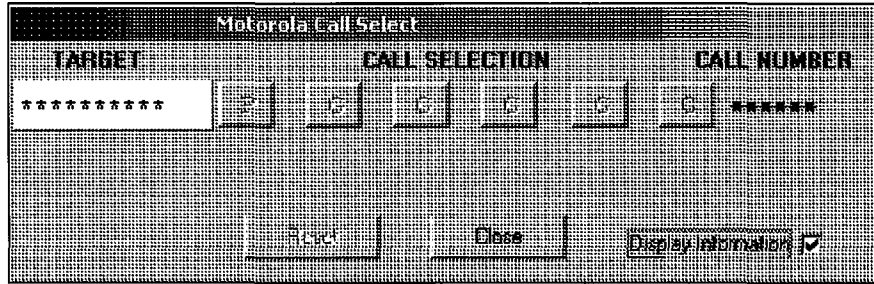


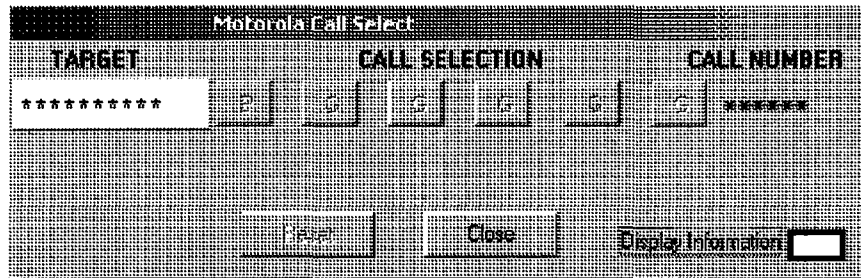
Figure 4-13: ISG Configuration Detailed Window



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To view and record active PTT targets:



b2
b7E



Note:

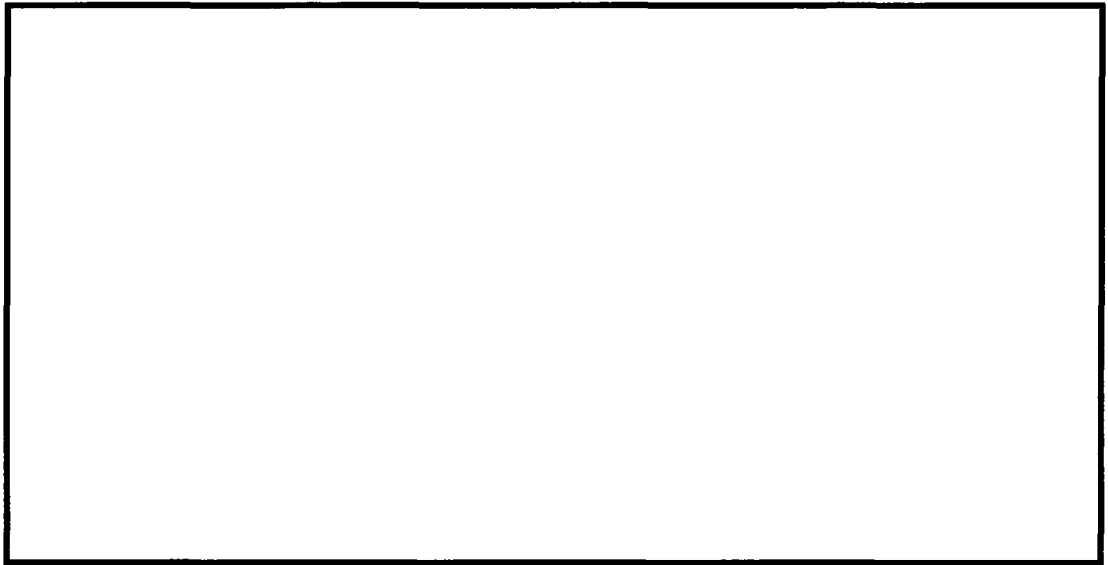


Suspend PTT Data Collections

The page contains five rectangular redaction boxes. The first box is at the top, followed by a second box below it. A third, smaller box is positioned to the left of the fourth box. The fourth box is a large rectangle, and the fifth box is a smaller rectangle at the bottom of the redacted area.

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Configuring the VSELP Decoder

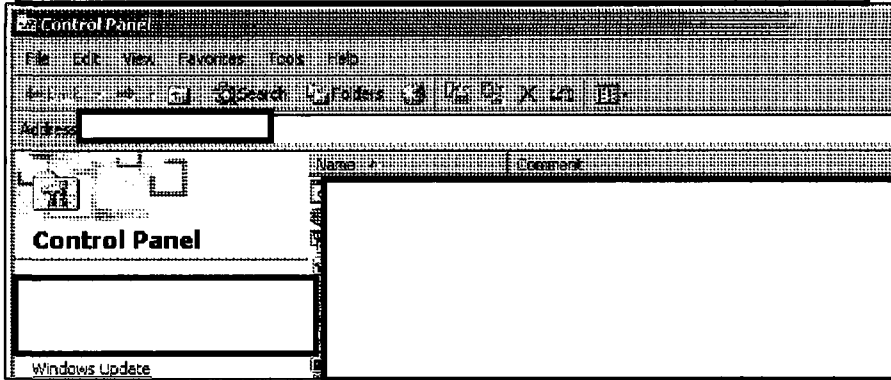


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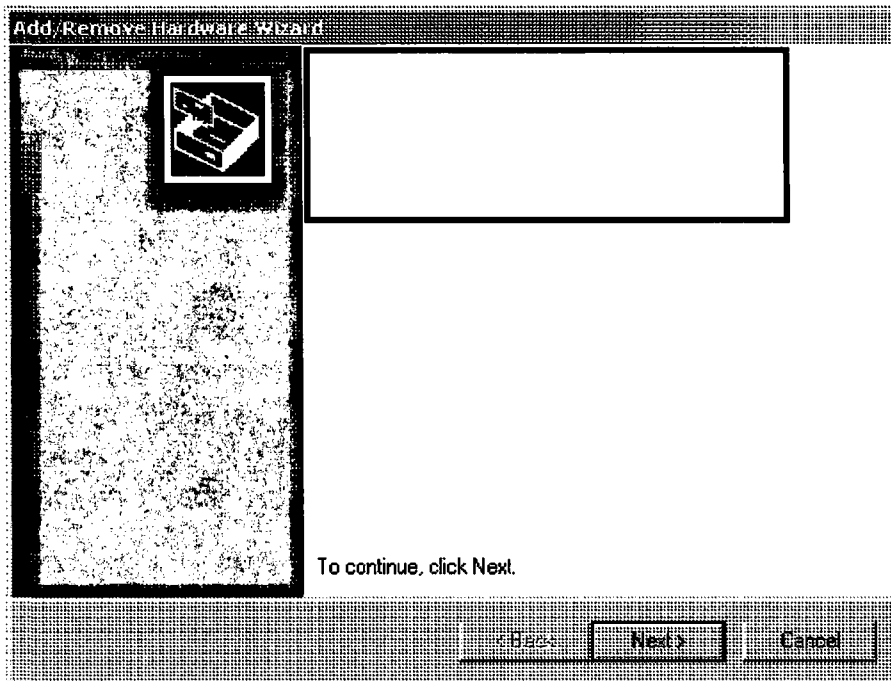
To install the Motorola VSELP decoder driver for Windows 2000(perform once):

1. 

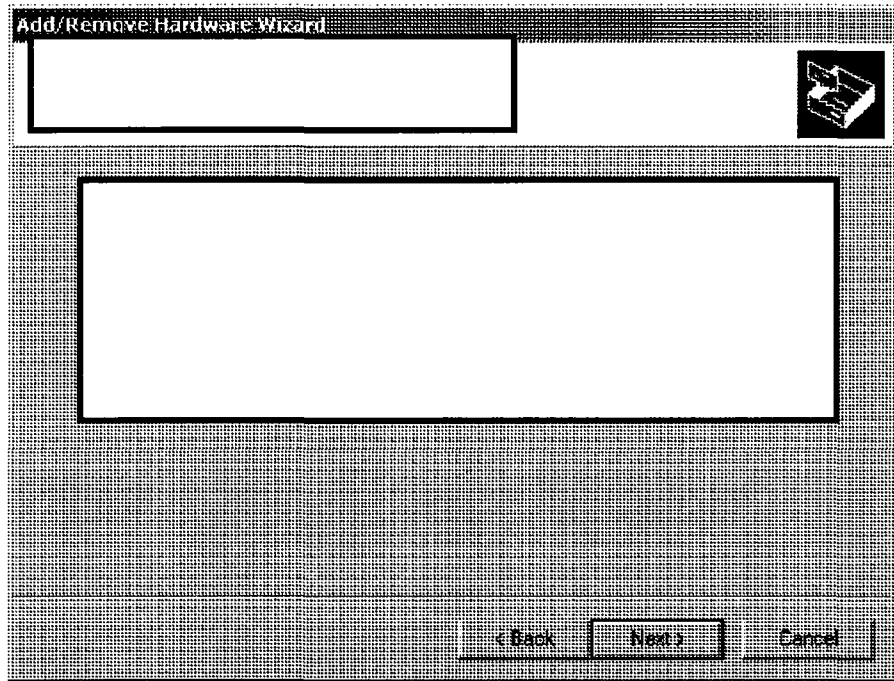


b2
b7E

2. 

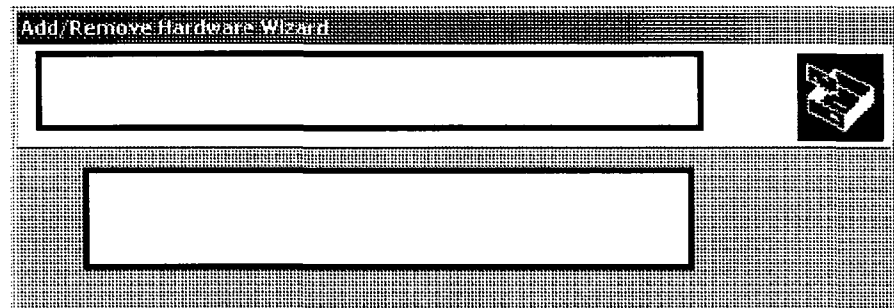


3.

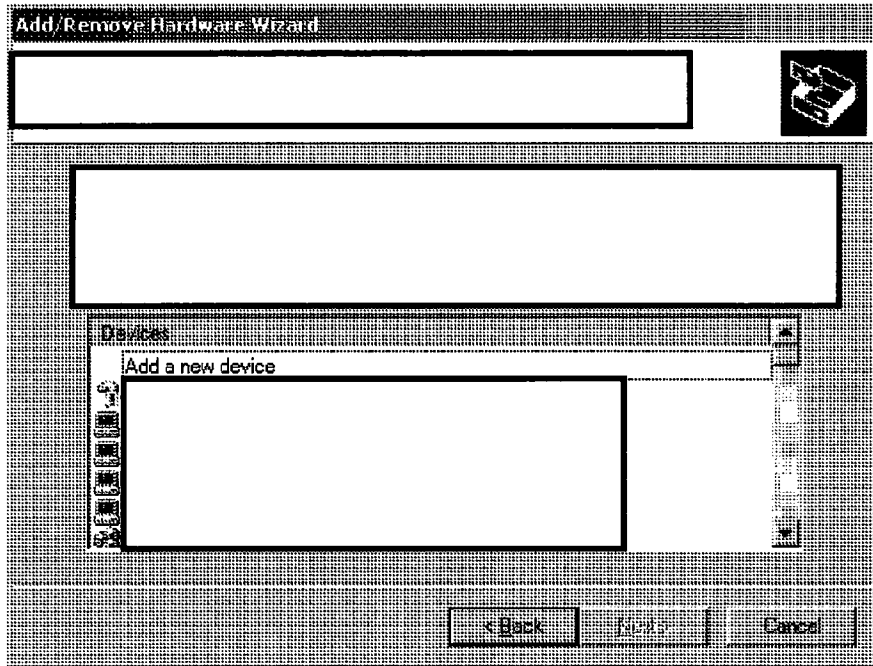


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4.

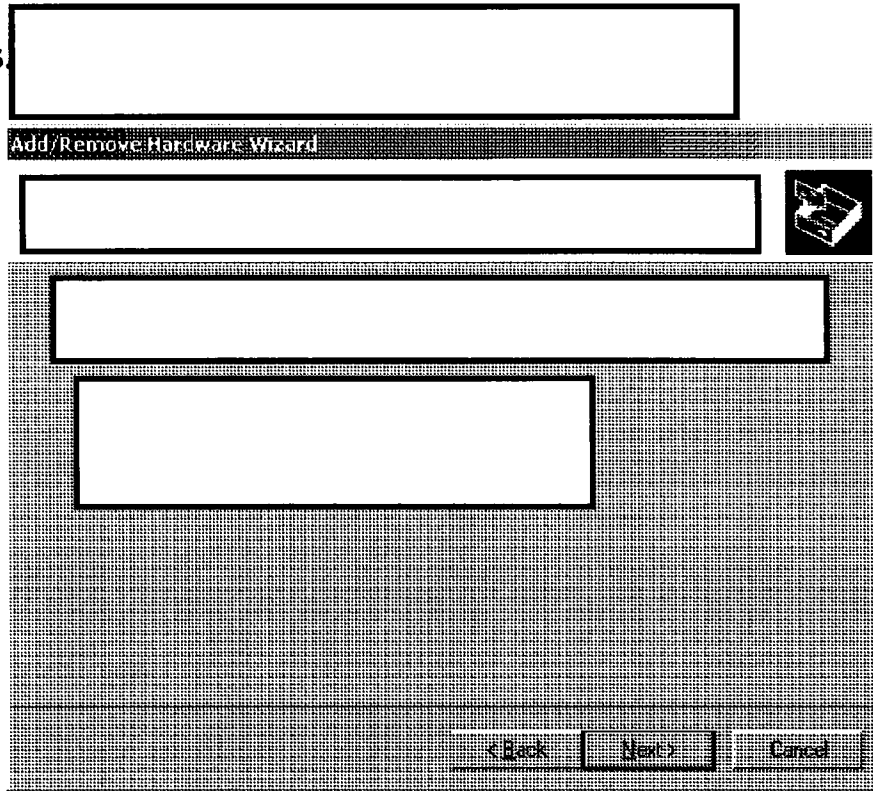


[Redacted]

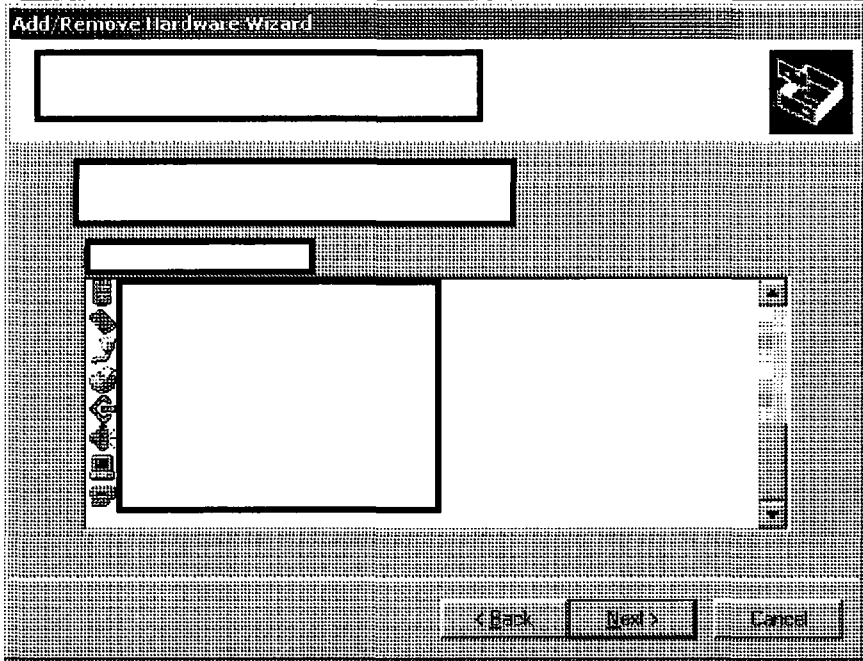


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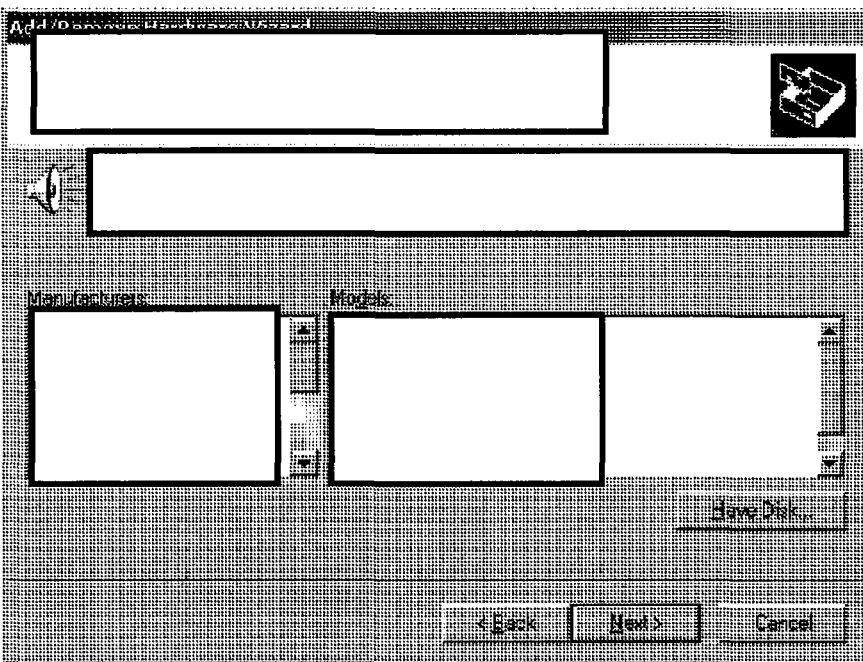


6.



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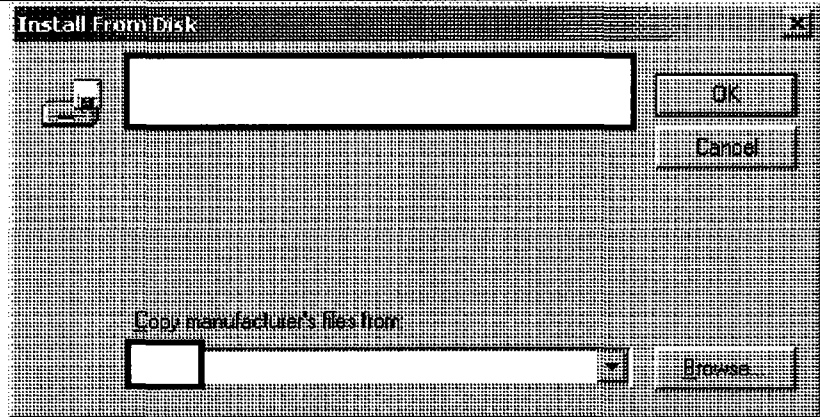
7.



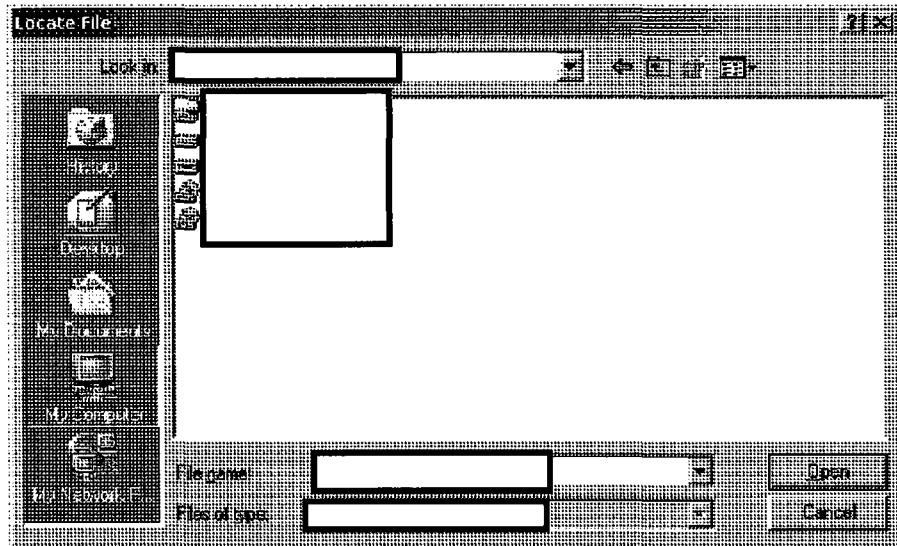
8. [Redacted]

9. [Redacted]

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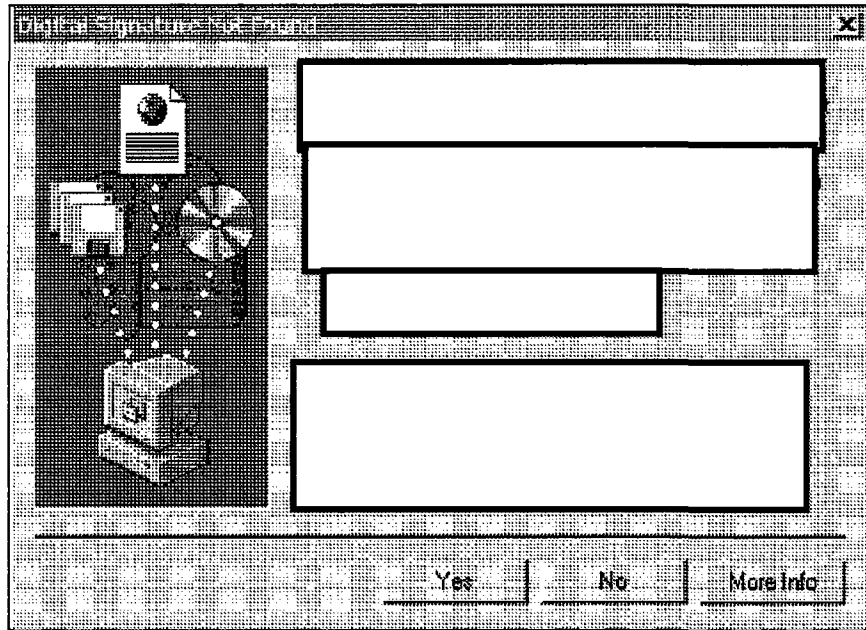


10. [Redacted]



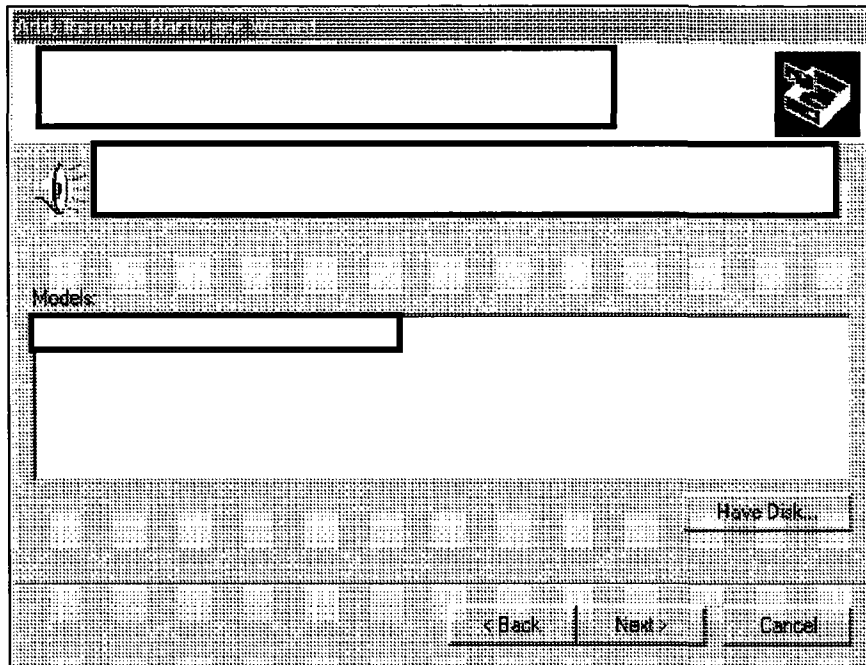
11. [Redacted]

12.



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13.



14.

[Redacted]

A screenshot of a software window with a title bar. The window contains a table with multiple columns and rows. The table is mostly obscured by redaction boxes. At the bottom of the window, there are three buttons: "< Back", "Next >", and "Cancel".

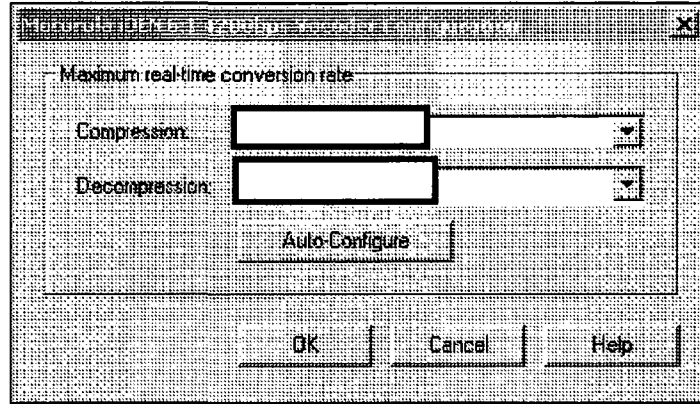
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15.

[Redacted]

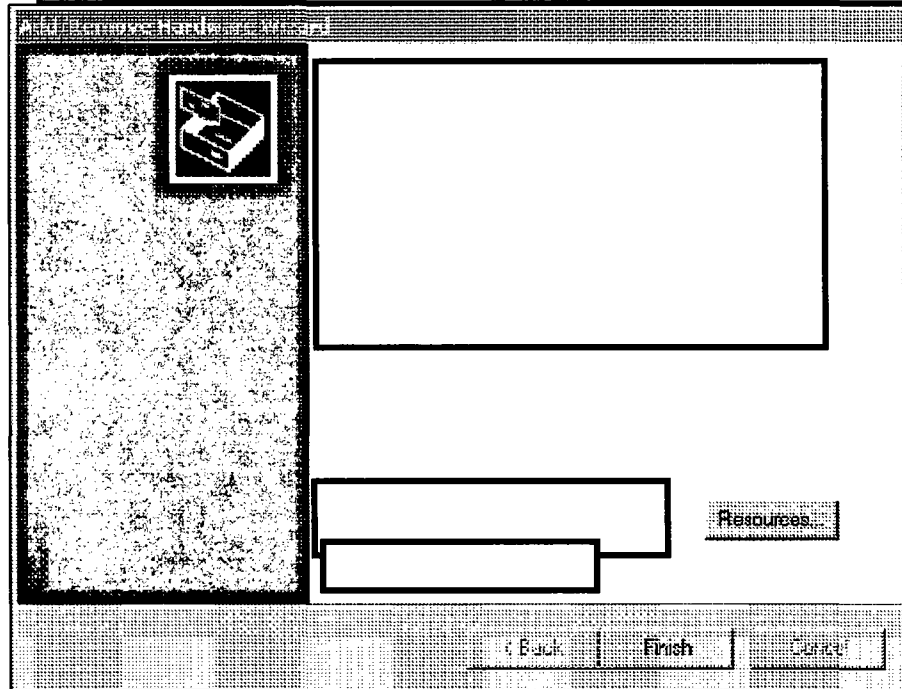
A screenshot of a software window with a title bar. On the left side, there is an image of a server rack. On the right side, there is a list of items, each with a redacted label. At the bottom of the window, there are three buttons: "Yes", "No", and "More Info".

16.

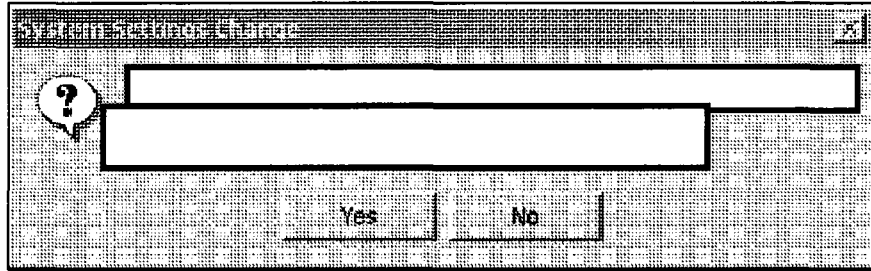


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17.



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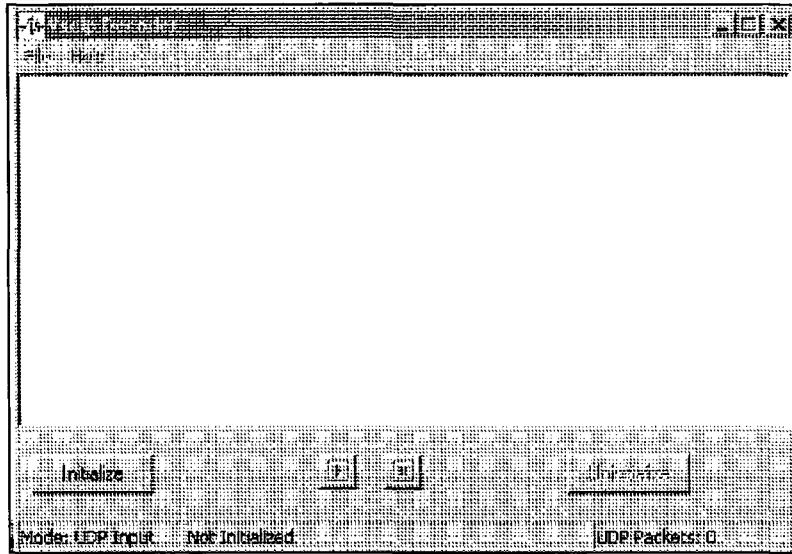
b2
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19 



To initialize the VSELP decoder:

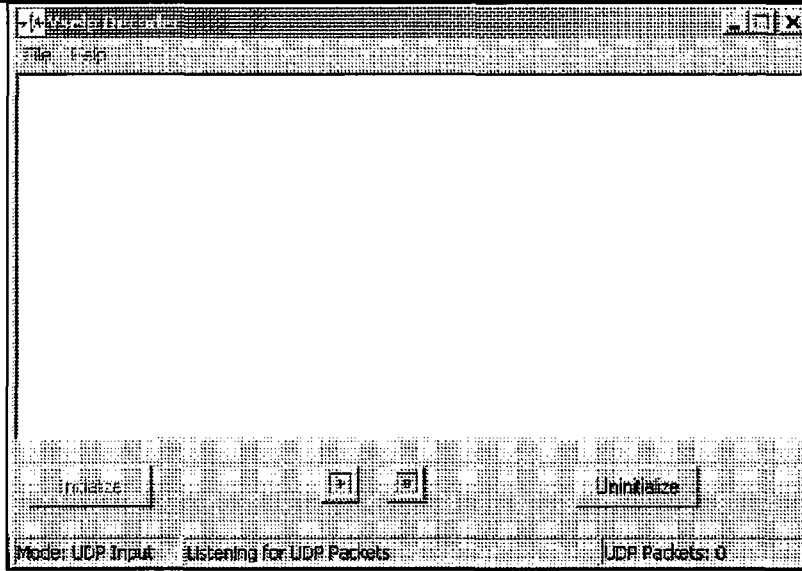
1. 



2.



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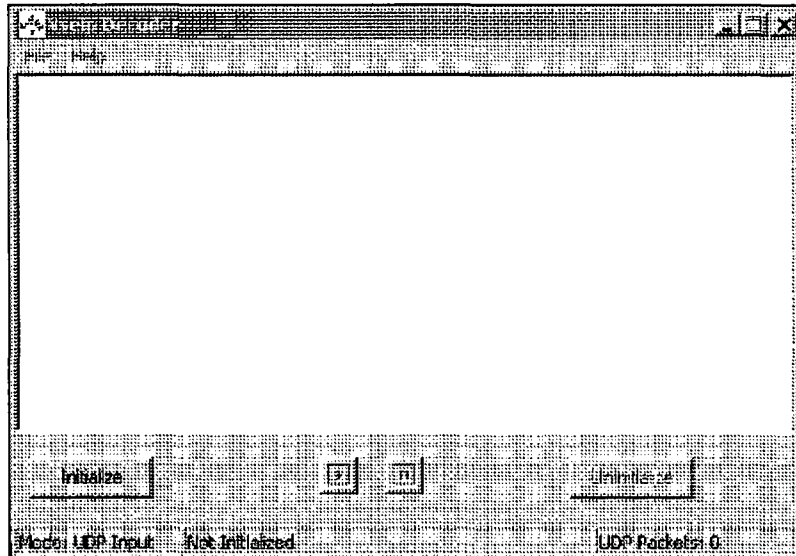


To un-initialize the VSELP decoder:

1.



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To exit the VSELP decoder:

1.

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Establishing a Connection



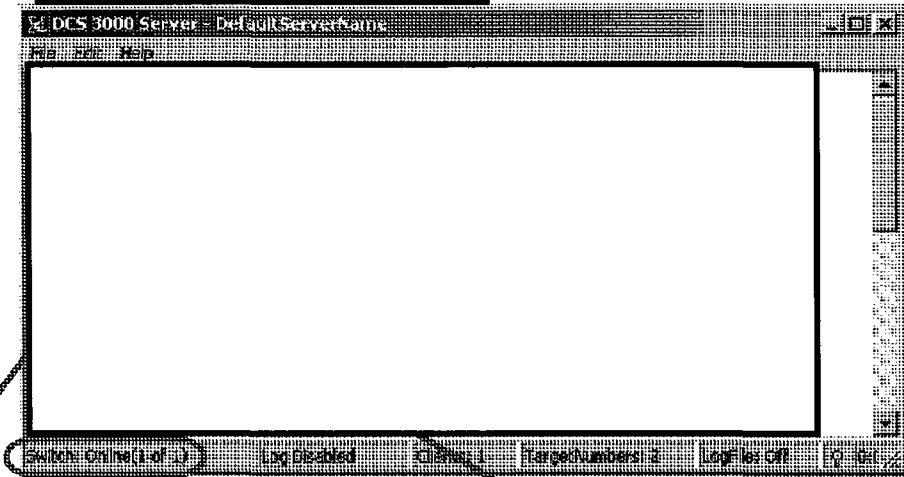
b2
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To request a connection to a switch:

1. 

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b7E



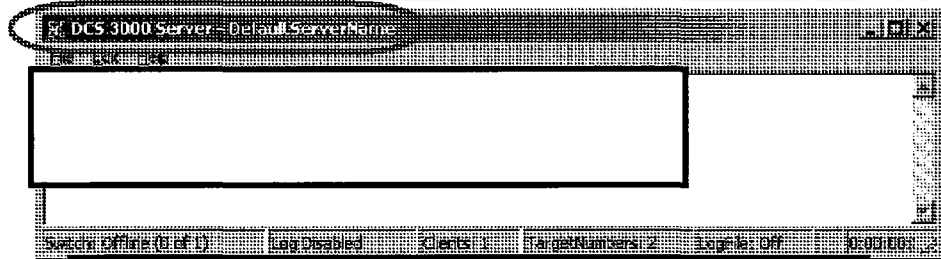
Connect to the Server

b2
b7E

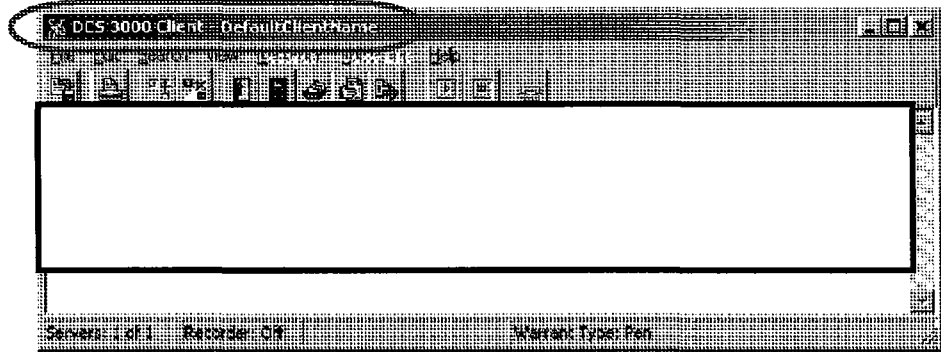


To request a connection to the Server:

1.



b2
b7E



Monitoring Activity

b2
b7E

This table presents common messages from PTT intercepts.

Message	Explanation
[Client Name] Client Connected	
[Client Name] Client Disconnected	
Switch: Offline	
Switch: Online	
Switch: Disconnected	
Logon for surveillance id ## case id ### was successful	
[IP address] Connection to iSG established	
Link Config Request sent to iSG	
Link Config Accept Received from iSG	
Link Status Timeout period	
Sent Message: Informational Message	
Connection to iSG Established	
Logon for surveillance id ## case id ### was successful	
Error in iSG Connection: Connection refused	

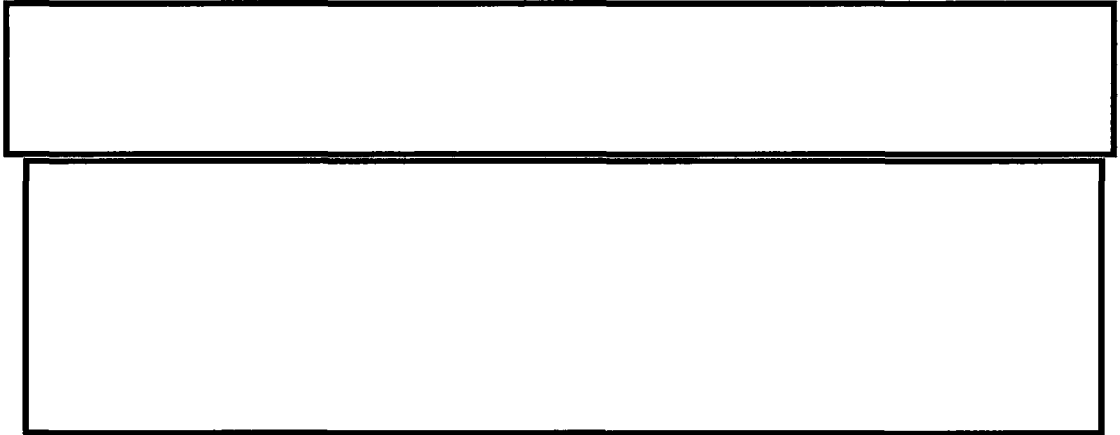
b2
b7E

Message	Explanation
Error in iSG connection: Software cased connection abort	
Server Connection to iSG is Alive	
Received VSELP packets from iSG NO PACKETS RECEIVED	
Received VSELP packets from iSG at (Server time and date)	
Routed VSELP packets to Decoder at (Server time and date)	
Routed VSELP packets to Decoder NO PACKETS ROUTED	
Sent Message:	
MOTOROLA PRIVATE CALL STARTED	
MOTOROLA GROUP CALL STARTED	

b2
b7E

Storing Target Data Files

b2
b7E



Shutdown the DCS Server



b2
b7E



To shut down the Server:

1.

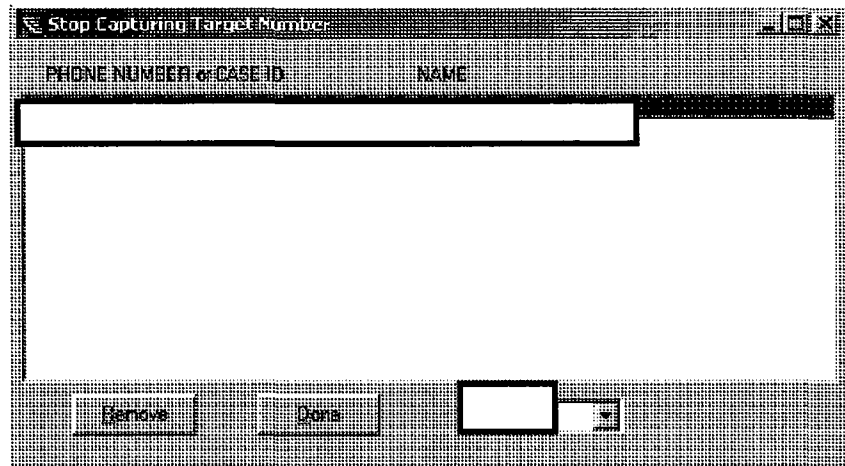
Note:



Removing Targets from the DCS Client:

1.

b2
b6
b7C
b7E



2. 

 Note:



3. 

 Note:



b2
b7E

Quick Steps: DCS Server (PTT Calls)

Working in the Server Window

To clear detail messages from the Server window:

To cut a text selection:

To copy a text selection:

To cut all text:

To copy all text:

b2
b7E

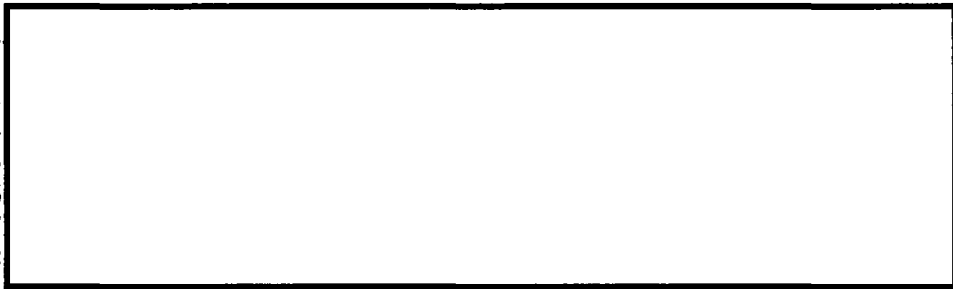
Configuring the Server

To set up the Server for a PTT intercept:

- 1.
- 2.
- 3.
- 4.
- 5.
- 6.
- 7.
- 8.
- 9.
- 10.
- 11.

b2
b7E

- 12
- 13
- 14
- 15
- 16
- 17
- 18

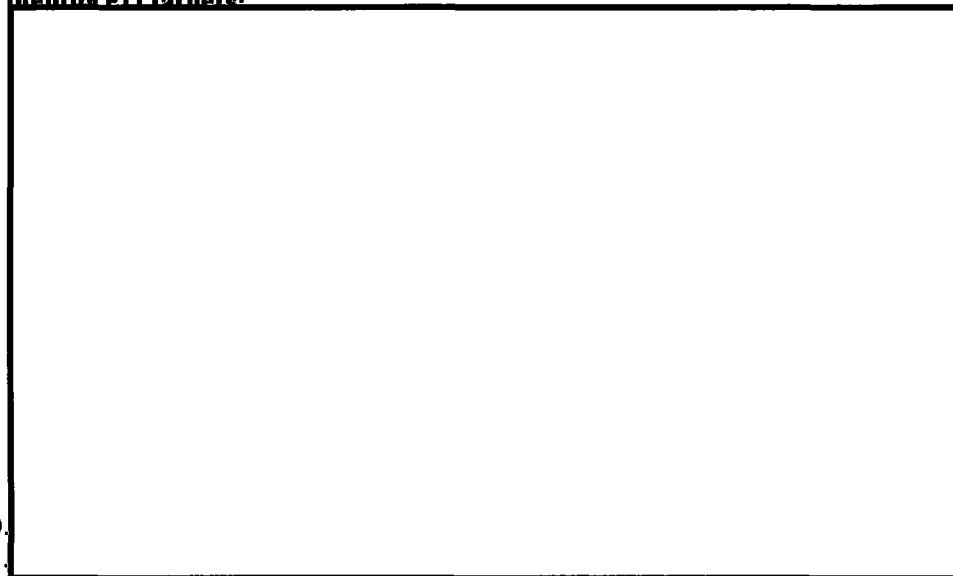


Configuring the Client

To identify PTT targets:

- 1.
- 2.
- 3.
- 3.
- 4.
- 5.
- 6.
- 7.
- 8.
- 9.
- 10.
- 11.

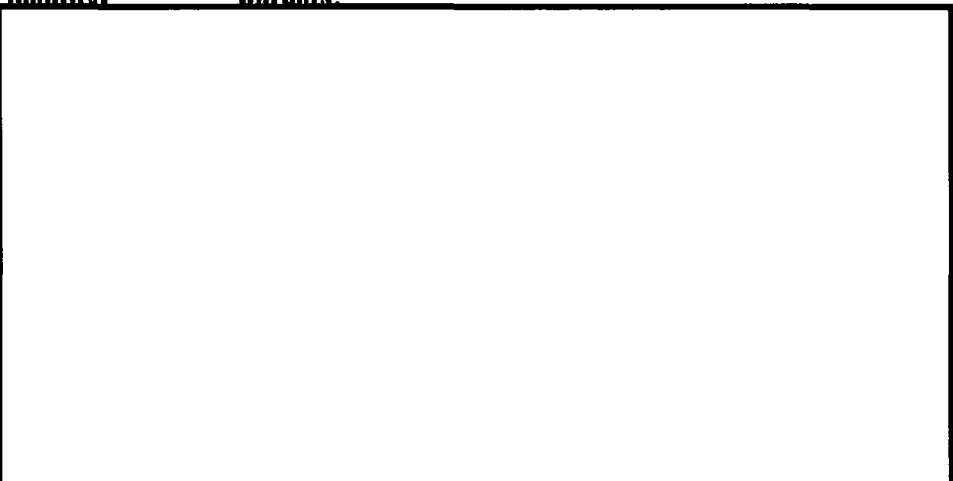
b2
b7E



To identify targets:

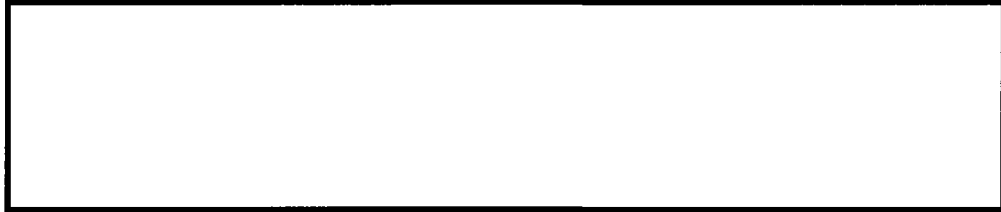
- 1.
- 2.
- 3.
- 4.
- 4.
- 5.
- 6.
- 7.
- 8.
- 9.

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b7E





To remove PTT targets:



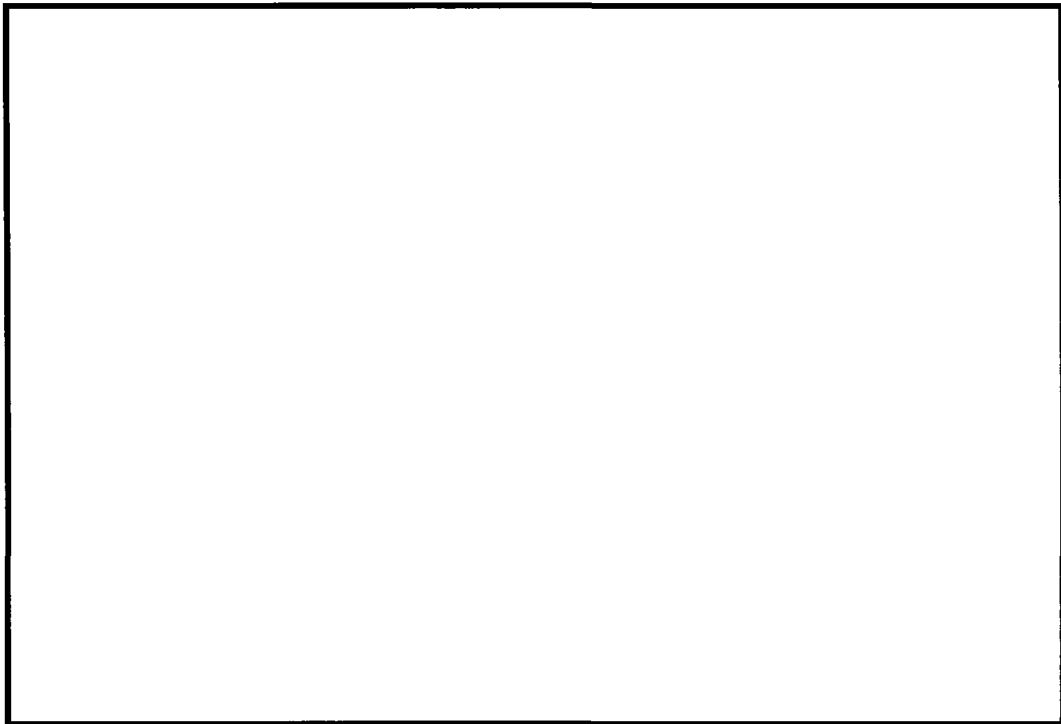
b2
b7E

To view and record active PTT targets:



Configuring the VSELP Decoder

To install the Motorola VSELP Decoder Driver (need to perform once):



b2
b7E

To initialize the VSELP Decoder:

To un-initialize the VSELP decoder:

To exit the VSELP decoder:

b2
b7E

Establishing a Connection

To request a connection to the switch:

To request a connection to the Server:

b2
b7E

Shutting Down the DCS Server

To shut down the Server:

To remove a target from the DCS Client:

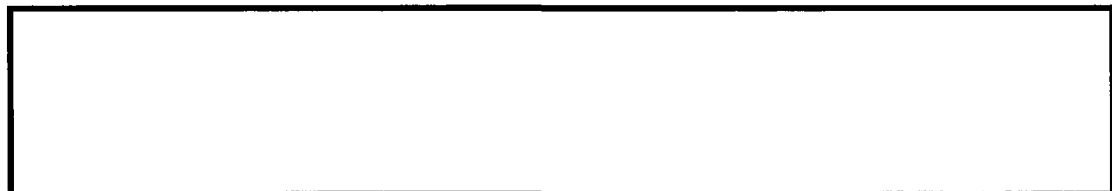
Data Collection System (DCS) 3000

User Guide

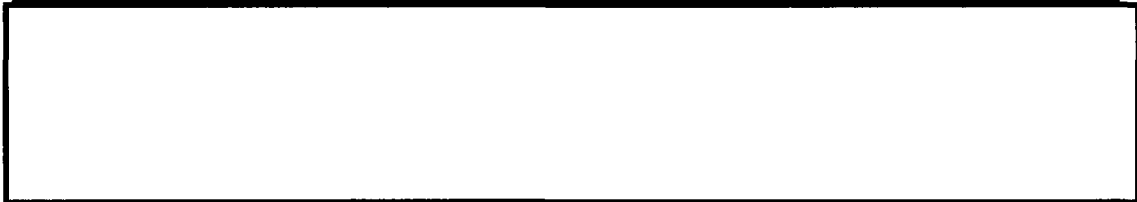
Chapter 5

Software Version Numbers: MultiServer V 1.6j

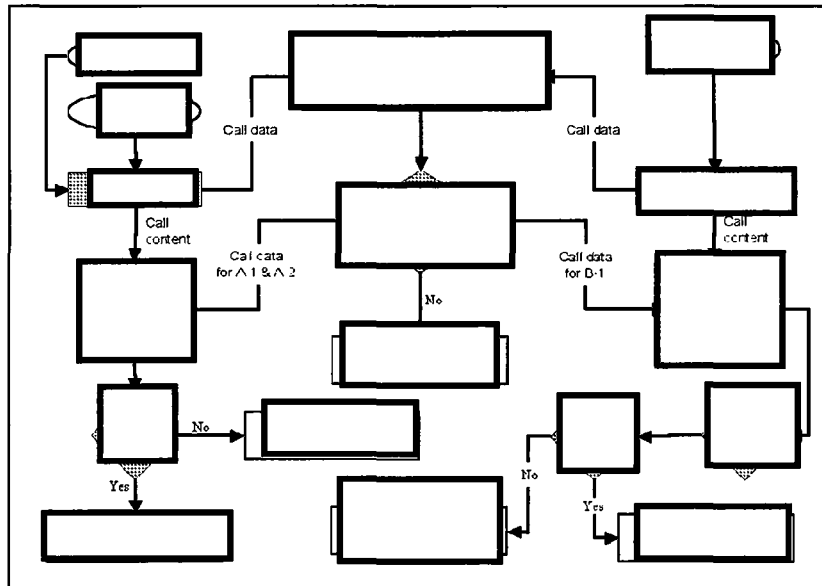
Background: DCS MultiServer



b2
b7E

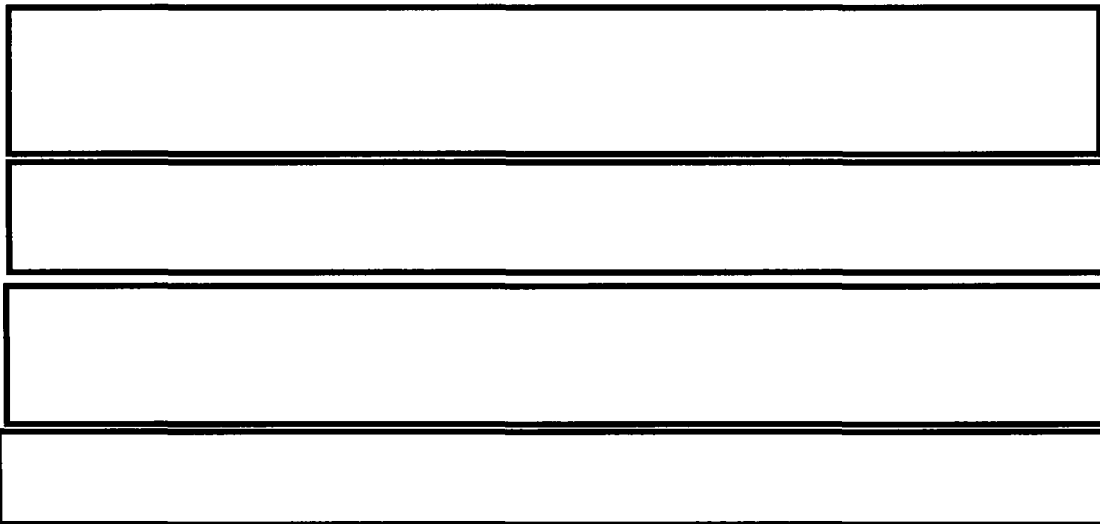


ALL INFORMATION CONTAINED
HEREIN IS UNCLASSIFIED
DATE 05-22-2007 BY 65179 DMH/TAM/KSR/cb



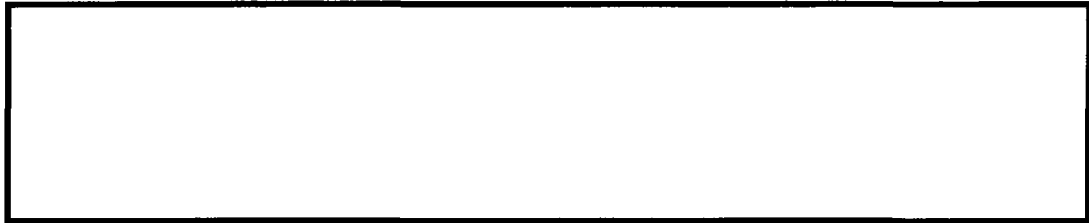
b2
b7E

Figure 5-1: MultiServer Data Filtering and Routing

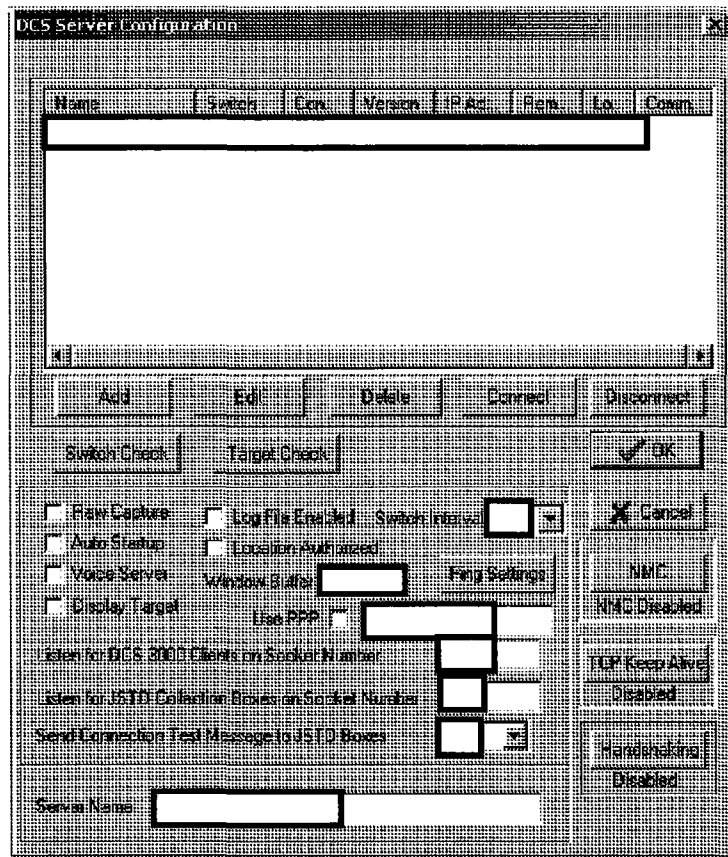


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MultiServer Settings and Options



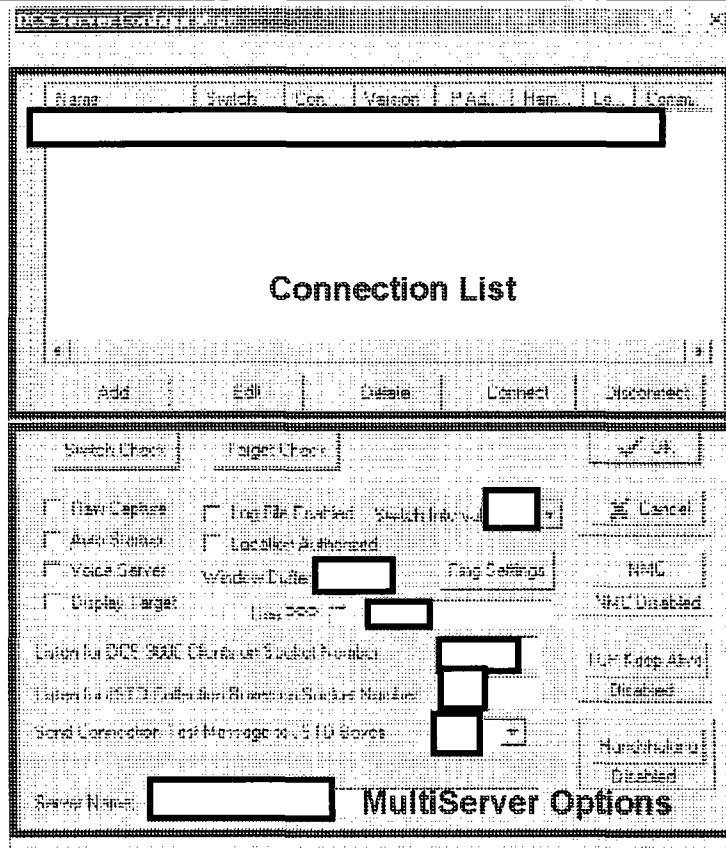
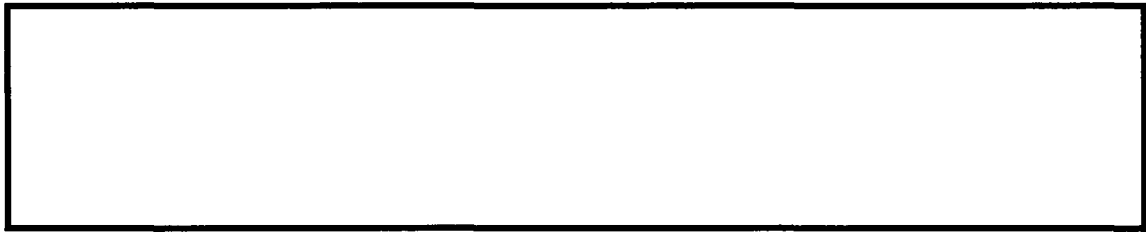
b2
b7E



b2
b7E

Figure 5-2: DCS MultiServer Configuration Window

b2
b7E



b2
b7E

Figure 5-3: DCS MultiServer Configuration Window with Labeled Settings

The settings and options section of this chapter are presented in the following order:

- MultiServer Options
- Connection List

MultiServer Options



b2
b7E

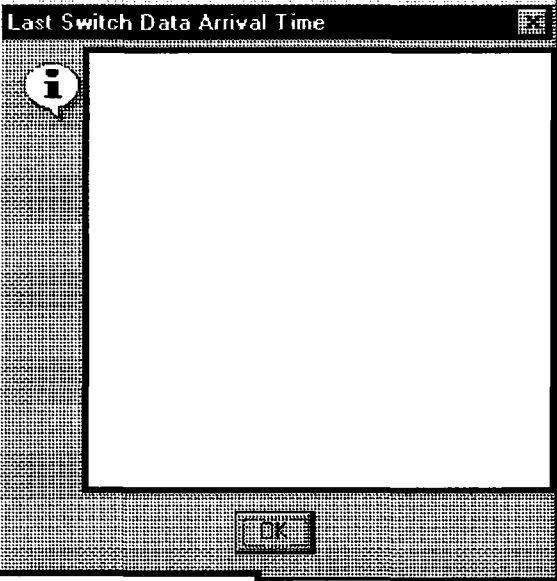
The screenshot shows a configuration window titled "MultiServer Options". It features two tabs: "Switch Check" and "Target Check". The "Switch Check" tab is active. The window contains several checkboxes and input fields:

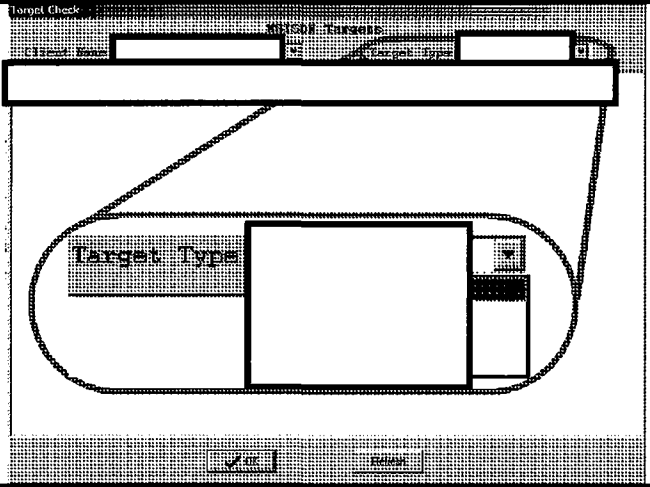
- Raw Capture
- Auto Startup
- Voice Server
- Display Target
- Log File Enabled
- Location Authorized
- Window Buffer: [input field]
- Use PPP: [input field]
- Listen for DCS 3000 Clients on Socket Number: [input field]
- Listen for JSTD Collection Boxes on Socket Number: [input field]
- Send Connection Test Message to JSTD Boxes: [dropdown menu]
- Switch Interval: [input field]
- Ping Settings: [input field]

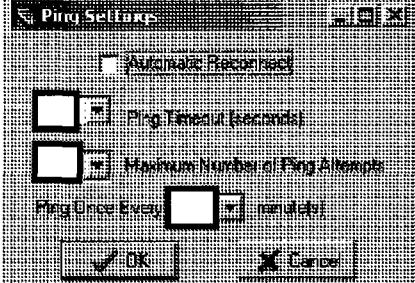
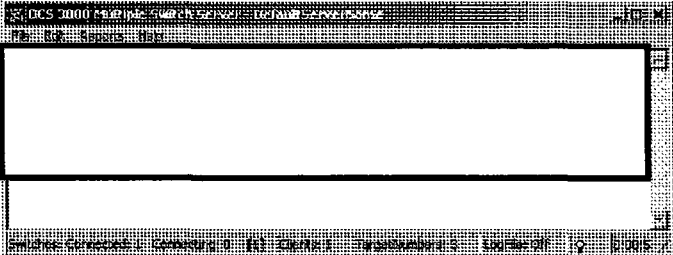
On the right side, there are buttons for "OK" (checked), "Cancel", "NMC", "NMC Disabled", "TCP Keep Alive Disabled", and "Handshaking Disabled". At the bottom, there is a "Server Name" label followed by a text input field.

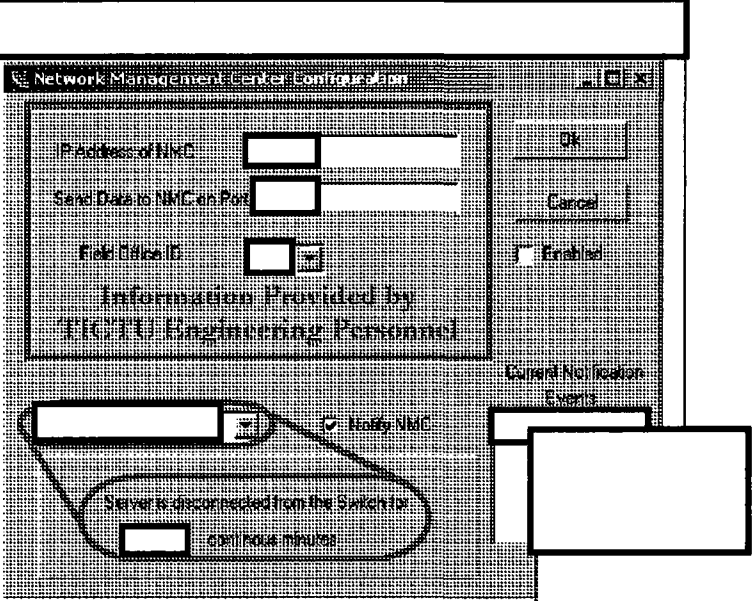
Figure 5-4: DCS MultiServer Configuration Window - MultiServer Options

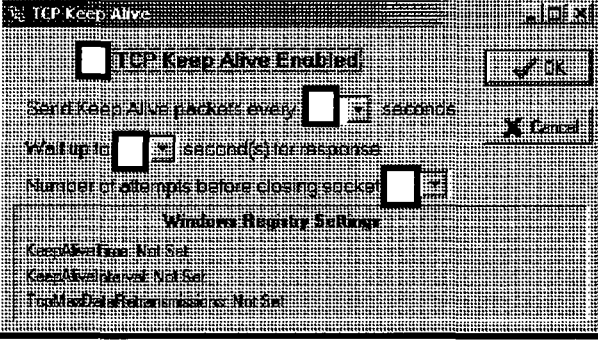
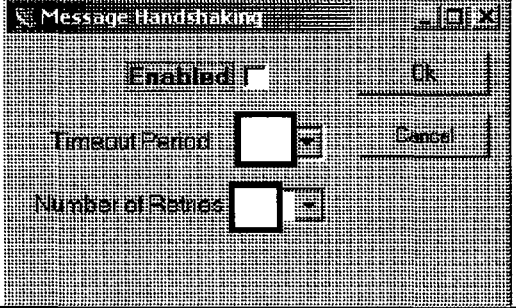
This table describes the global MultiServer Options.

Option	Description
Switch Check	
<p><i>Last Switch Data Arrival Time Window</i></p> <p>b2 b7E</p>	 <p>The screenshot shows a dialog box with the title 'Last Switch Data Arrival Time'. On the left side of the dialog, there is a circular information icon containing the letter 'i'. The main area of the dialog is empty. At the bottom right of the dialog, there is an 'OK' button.</p>
Target Check	

Option	Description
<p><i>Target Check Window</i></p> <p>b2 b7E</p>	
Raw Capture	
Auto Startup	
Voice Server	
Display Target	
Log File Enabled	
Location Authorized	
Window Buffer	
Use PPP	
Switch Interval	
Ping Settings	

Option	Description
<p><i>Ping Settings Window</i></p> <p>b2 b7E</p>	
<p>Listen for DCS 3000 Clients on Socket Number</p>	
<p>Listen for JSTD Collection Boxes on Socket Number</p>	
<p>Send Connection Test Message to JSTD Boxes</p> <p>b2 b7E</p>	
<p>Server Name:</p>	
<p>OK</p>	
<p>Cancel</p>	
<p>NMC</p>	

Option	Description
<p>Network Management Center Configuration Window</p> <p>b2 b7E</p> <p>b2 b7E</p>	 <p>The screenshot shows a 'Network Management Center Configuration' dialog box. It contains the following elements:</p> <ul style="list-style-type: none"> Fields for 'IP Address of NMC', 'Send Data to NMC as PWS', and 'Field Edge ID'. Buttons for 'Ok', 'Cancel', and 'Enable'. A checkbox labeled 'Ready NMC' which is checked. A message box with the text: 'Server is disconnected from the Synchtrix control room module'. Text at the bottom right: 'Current No. of actor Events'.
<p>TCP Keep Alive</p>	

Option	Description
<p>TCP Keep Alive Window</p> <p>b2 b7E</p>	 <p>The screenshot shows a dialog box titled "TCP Keep Alive". It contains the following settings: <ul style="list-style-type: none"> <input type="checkbox"/> TCP Keep Alive Enabled Send Keep Alive packets every: <input type="checkbox"/> seconds Wait up to: <input type="checkbox"/> seconds after response Number of attempts before closing socket: <input type="checkbox"/> Below these settings is a section titled "Windows Registry Settings" with three entries: <ul style="list-style-type: none"> KeepAliveTime: Not Set KeepAliveInterval: Not Set KeepAliveFailure: Not Set The dialog has "OK" and "Cancel" buttons. </p>
<p>Handshaking</p> <p>Message Handshaking Window</p> <p>b2 b7E</p>	 <p>The screenshot shows a dialog box titled "Message Handshaking". It contains the following settings: <ul style="list-style-type: none"> Enabled: <input checked="" type="checkbox"/> Timeout Period: <input type="checkbox"/> Number of Retries: <input type="checkbox"/> The dialog has "OK" and "Cancel" buttons. </p>

Connection List

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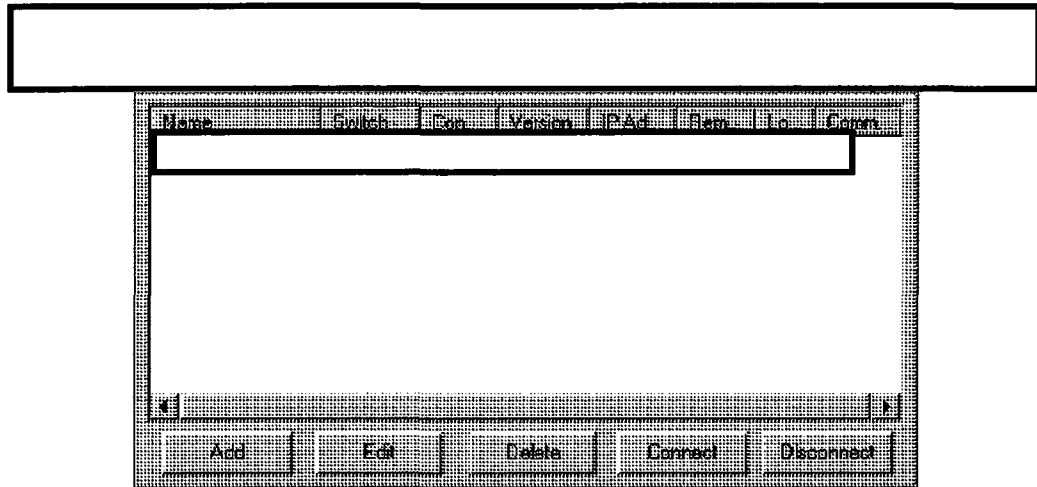


Figure 5-5: DCS MultiServer Configuration Window - Connection List Main Display



b2
b7E

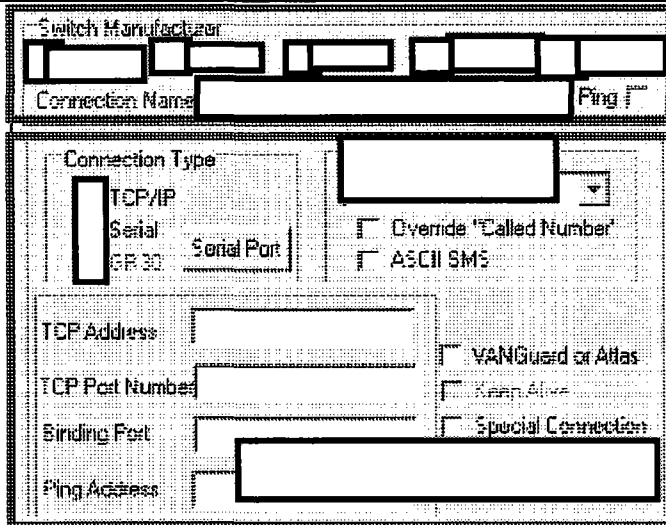


Figure 5-6: MultiServer Connection List - Sub-Categories

Descriptions of the features for switch configuration, are presented in the following order:

- Connection List Main Display
- Switch Manufacturers
- Switch-Specific Settings

Connection List Main Display

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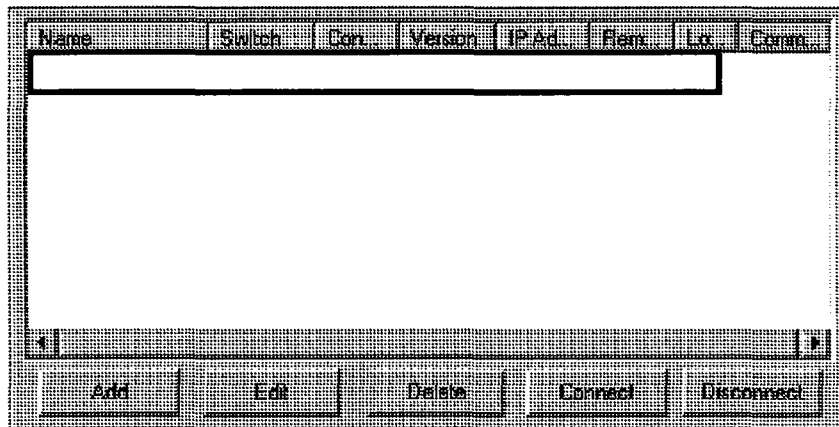

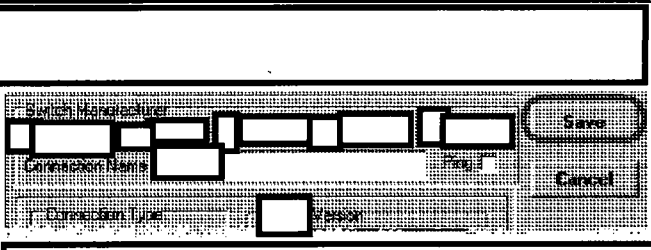
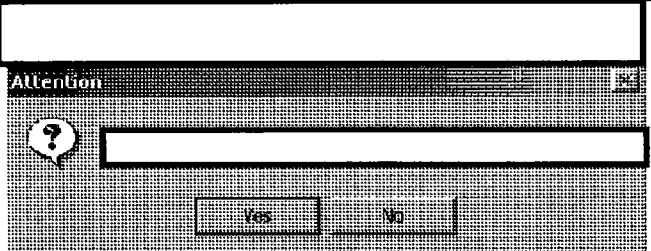


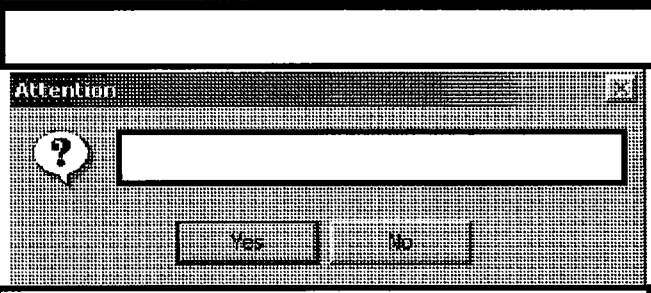


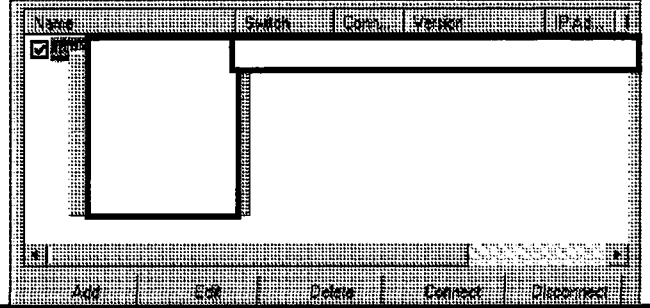
Figure 5-5: MultiServer Connection List – Main Display (see page 5-11)

This table describes the MultiServer Connection List.

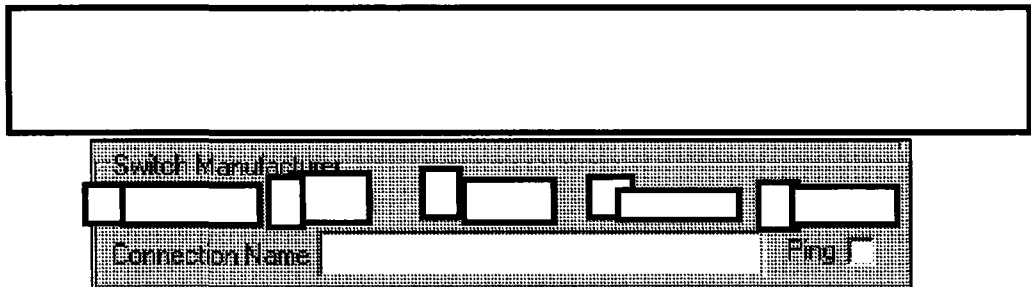
b2
b7E

Option	Description
Connection List	

Option	Description
Add b2 b7E	
Edit	
Delete b2 b7E	
Connect	
Connection Reset	
Disconnect	

Option	Description
Short-cut (Right Click Mouse) b2 b7E	

Switch Manufacturers



b2
b7E

Figure5-7: Switch Manufacturer Options



This table describes the MultiServer Switch Manufacturers.

Option	Description

b2
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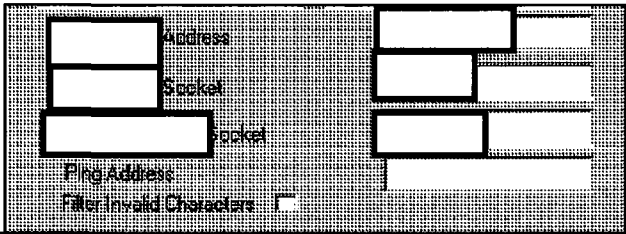
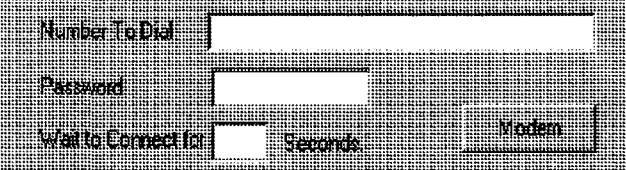
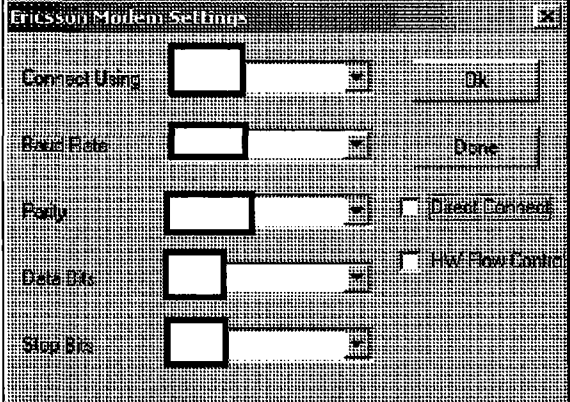
b2
b7E

Option		Description

Switch-Specific Settings

b2
b7E

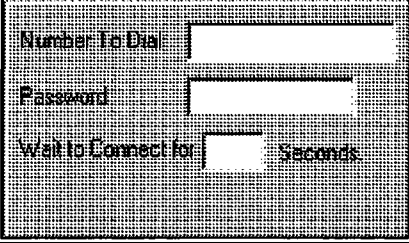
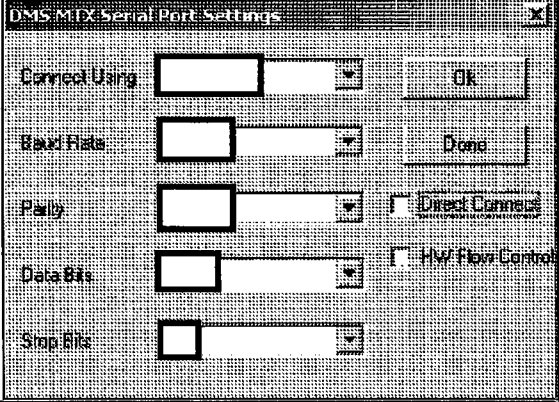
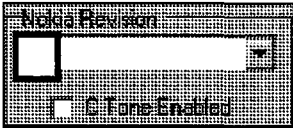
Option	Description								
	<table border="1"><tr><td data-bbox="734 1293 1024 1388">Connection Type</td><td data-bbox="1024 1293 1432 1388"></td></tr></table>	Connection Type							
Connection Type									
Connection Type	<table border="1"><tr><td data-bbox="734 1388 1117 1472"></td><td data-bbox="1133 1388 1425 1524"><table border="1"><tr><td data-bbox="1140 1388 1419 1419">Connection Type</td></tr><tr><td data-bbox="1140 1419 1419 1451">Type</td></tr><tr><td data-bbox="1140 1451 1419 1482">Data</td></tr><tr><td data-bbox="1140 1482 1419 1514">Serial <input type="checkbox"/> Log</td></tr></table></td></tr><tr><td data-bbox="734 1472 1117 1549"></td><td data-bbox="1133 1524 1425 1549"></td></tr></table>		<table border="1"><tr><td data-bbox="1140 1388 1419 1419">Connection Type</td></tr><tr><td data-bbox="1140 1419 1419 1451">Type</td></tr><tr><td data-bbox="1140 1451 1419 1482">Data</td></tr><tr><td data-bbox="1140 1482 1419 1514">Serial <input type="checkbox"/> Log</td></tr></table>	Connection Type	Type	Data	Serial <input type="checkbox"/> Log		
	<table border="1"><tr><td data-bbox="1140 1388 1419 1419">Connection Type</td></tr><tr><td data-bbox="1140 1419 1419 1451">Type</td></tr><tr><td data-bbox="1140 1451 1419 1482">Data</td></tr><tr><td data-bbox="1140 1482 1419 1514">Serial <input type="checkbox"/> Log</td></tr></table>	Connection Type	Type	Data	Serial <input type="checkbox"/> Log				
Connection Type									
Type									
Data									
Serial <input type="checkbox"/> Log									

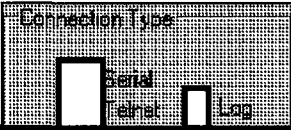

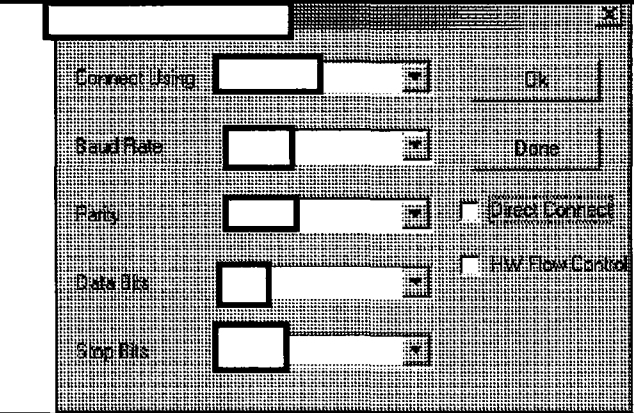
Option	Description
<p>TCP/IP Connection</p> <p>b2 b7E</p>	 <p>The screenshot shows a dialog box for TCP/IP connection settings. It includes fields for 'Address', 'Socket', and 'Ping Address'. There is also a checkbox for 'Filter Invalid Characters'.</p>
<p>Serial Connection</p>	 <p>The screenshot shows a dialog box for serial connection settings. It includes fields for 'Number To Dial', 'Password', and 'Wait to Connect for' (in seconds). There is a 'Modem' dropdown menu.</p>
<p>Serial-Modem Settings Window</p> <p>b2 b7E</p>	 <p>The screenshot shows the 'Ericsson Modem Settings' dialog box. It includes fields for 'Connect Using', 'Basic Rate', 'Parity', 'Data Bits', and 'Stop Bits'. There are checkboxes for 'Direct Connect' and 'HW Flow Control'.</p>

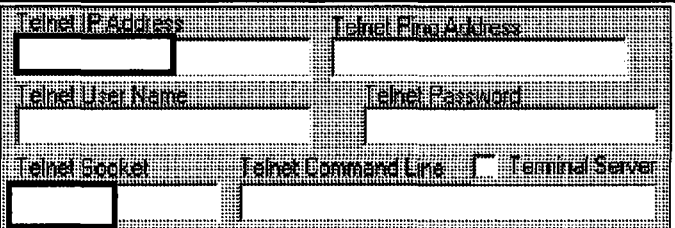
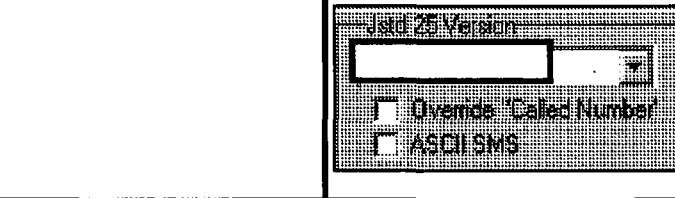
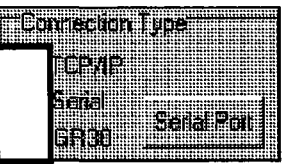
Option	Description								
<i>TCP/IP Connection</i>	<div data-bbox="740 279 1393 321" style="border: 1px solid black; height: 20px; width: 100%;"></div> <table border="1" data-bbox="870 321 1312 579"><tr><td>TCP Address:</td><td><input type="text"/></td></tr><tr><td>TCP Port Number:</td><td><input type="text"/></td></tr><tr><td>Binding Port:</td><td><input type="text"/></td></tr><tr><td>Ping Address:</td><td><input type="text"/></td></tr></table> <div data-bbox="740 579 1450 688" style="border: 1px solid black; height: 50px; width: 100%;"></div>	TCP Address:	<input type="text"/>	TCP Port Number:	<input type="text"/>	Binding Port:	<input type="text"/>	Ping Address:	<input type="text"/>
TCP Address:	<input type="text"/>								
TCP Port Number:	<input type="text"/>								
Binding Port:	<input type="text"/>								
Ping Address:	<input type="text"/>								
Additional Options	<div data-bbox="740 688 1182 804" style="border: 1px solid black; height: 55px; width: 100%;"></div> <div data-bbox="740 804 1182 926" style="border: 1px solid black; height: 58px; width: 100%;"></div> <div data-bbox="1190 720 1442 867" style="border: 1px solid black; padding: 5px;"><p>Specialized Connections</p><p><input type="checkbox"/> Daily</p><p><input type="checkbox"/> Client Request</p></div> <div data-bbox="760 926 1003 1150" style="border: 1px solid black; padding: 5px;"><p>Specialized Connections</p><p><input type="checkbox"/> Daily</p><p><input type="checkbox"/> Client Request</p><p>Connect Time: <input type="text"/></p><p>Disconnect: <input type="checkbox"/></p></div> <div data-bbox="1003 926 1450 1115" style="border: 1px solid black; height: 90px; width: 100%;"></div> <div data-bbox="727 1199 1101 1402" style="border: 1px solid black; height: 97px; width: 100%;"></div> <div data-bbox="740 1402 1182 1470" style="border: 1px solid black; height: 32px; width: 100%;"></div> <div data-bbox="1109 1115 1352 1339" style="border: 1px solid black; padding: 5px;"><p>Specialized Connections</p><p><input type="checkbox"/> Daily</p><p><input type="checkbox"/> Client Request</p><p>Connect Time: <input type="text"/></p><p>Disconnect: <input type="checkbox"/></p></div> <div data-bbox="1190 1234 1433 1459" style="border: 1px solid black; padding: 5px;"><p>Specialized Connections</p><p><input type="checkbox"/> Daily</p><p><input type="checkbox"/> Client Request</p><p>Connect Time: <input type="text"/></p><p>Disconnect: <input type="checkbox"/></p></div>								

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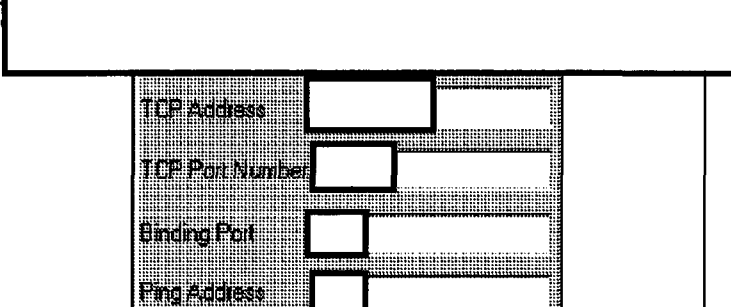
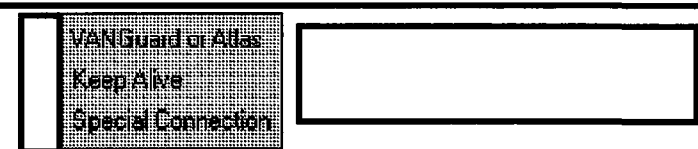
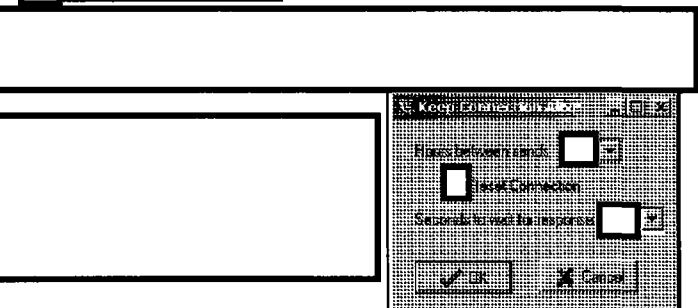
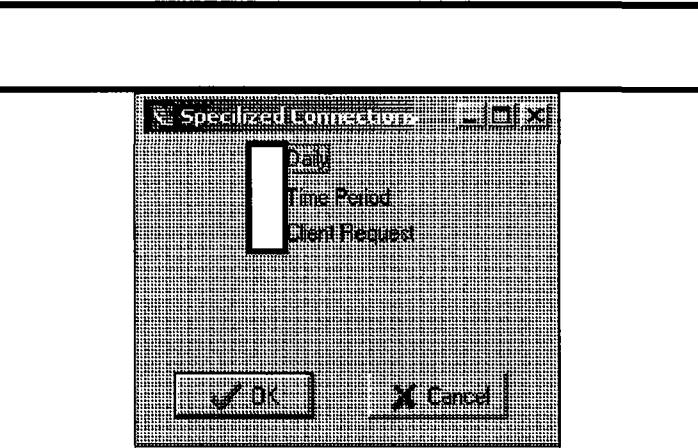
b2
b7E

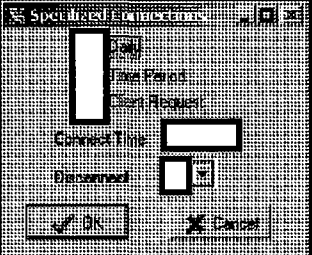
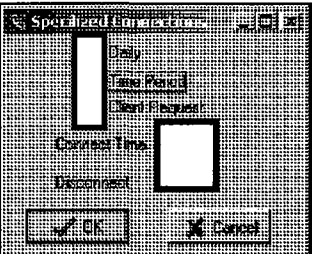
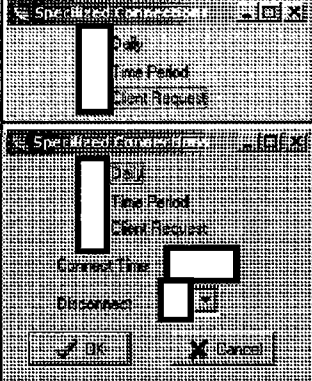
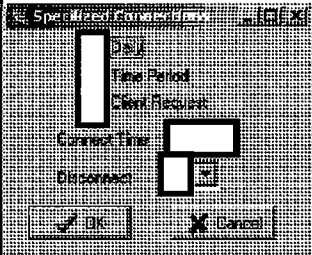
Option	Description
<p><i>Serial Connection</i></p> <p>b2 b7E</p>	
<p><i>Serial Connection</i></p>	
<p><i>Serial Port Settings Window</i></p> <p>b2 b7E</p>	
<p>b2 b7E</p>	

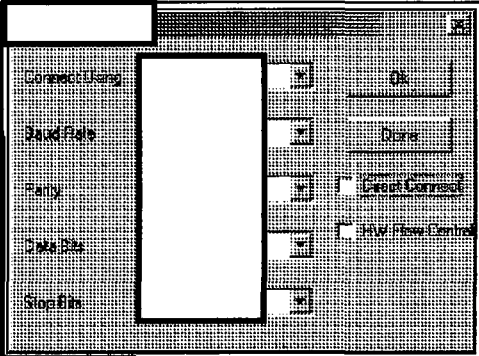
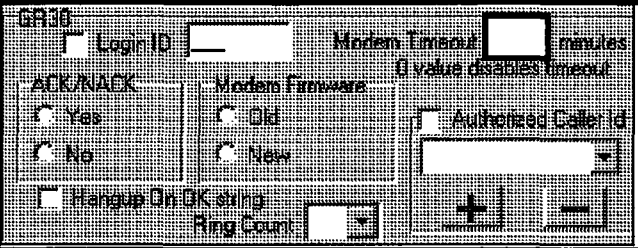
Option	Description
Connection Type	
<i>Serial Connection</i> b2 b7E	
<i>Serial Port Settings Window</i> b2 b7E	

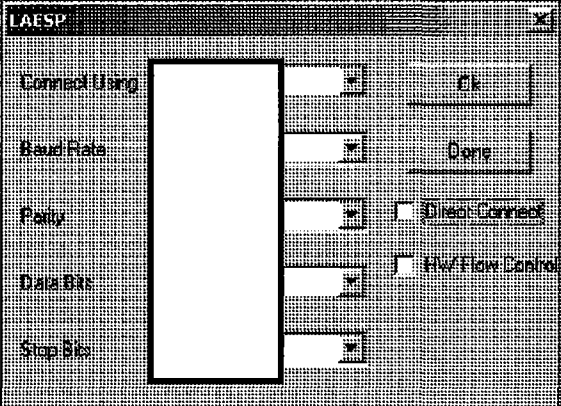
Option	Description
<p>Telnet Connection</p>	
J-STD-025 SWITCHES	
<p>Jstd 25 Version</p>	
<p>Connection Type</p>	

b2
b7E

Option	Description
<p>TCP/IP Connection</p> <p>b2 b7E</p>	
<p>Additional Options</p>	 
<p>Specialized Connections Window</p> <p>b2 b7E</p>	

Option	Description
<p><i>Specialized Connections (detailed)</i></p> <p>b2 b7E</p>	
	
	
	
	<p><i>Serial Connection</i></p>

Option	Description
<p>Serial Port Settings Window</p> <p>b2 b7E</p>	 <p>The screenshot shows a 'Serial Port Settings' dialog box with the following fields and controls:</p> <ul style="list-style-type: none"> Connect Using: A dropdown menu with a 'Go' button. Serial Port: A dropdown menu with a 'Done' button. Parity: A dropdown menu with a 'Done' button. Data Bits: A dropdown menu with a 'Done' button. Stop Bits: A dropdown menu with a 'Done' button. <input type="checkbox"/> Connect on Startup <input type="checkbox"/> Auto Flow Control
<p>GR-30 Connection</p> <p>b2 b7E</p>	 <p>The screenshot shows a 'GR-30 Connection' dialog box with the following fields and controls:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Login ID: A text input field. Maxim. Timeout: A text input field with 'minutes' label. <input type="checkbox"/> Maxim. Retries: A text input field with 'times' label. ACK/RACK: Radio buttons for 'Yes' and 'No'. Master Firmware: Radio buttons for 'Old' and 'New'. <input type="checkbox"/> Hangup On OK string: A text input field. Ring Count: A text input field. <input type="checkbox"/> Authenticated Caller ID: A text input field.

Option	Description
<p><i>Serial Port Settings Window</i></p> <p>b2 b7E</p>	
<p><i>Connection Type</i></p> <p><i>TCP/IP Connection</i></p> <p>b2 b7E</p>	