CA-VTERM® for VM

User Guide

3.3



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Chapter 1. Introduction

CA-VTERM is a terminal expansion facility for VM. That is, CA-VTERM enables you to be logged on to several different user IDs from just one physical terminal -- all at the same time. This makes the most of your resources and increases your efficiency.

1.1 Features

These are some of the outstanding features of CA-VTERM:

1.1.1.1 Convenience

- Easy to start and end your current session
- Automatic logon of first logical terminal.
- Online HELP facility.
- Simple to move from logical terminal to logical terminal.
- Command sequences and logical options that can be dynamically altered for the current session.
- Modifiable system defaults so you can work without a profile.
- Full-screen message facility or single-line messaging.

1.1.1.2 Efficiency

- Easy access to online screens summarizing
  - command sequences
  - logical option specifications
  - logical terminal definitions
  - transfer IDs
  - logon sequences
- Add, drop or redefine logical terminals as needed.
- Simple to transfer an active, online session from one physical terminal to another.
- Audible alarm when changes occur on toggled-away terminals.
- Duplex sessions so two users can work on the same session.
- Tutor sessions so many users can display the same session.

1.2 Before You Begin

While reading this user guide, you may encounter several terms with which you are unfamiliar. This section is devoted to explaining these concepts; you may also refer to the glossary for a concise explanation of these items.

1.2.1.1 How does a logical terminal differ from a physical terminal?

Although a logical terminal will respond just as if it were a physical terminal, it is not something you can see or touch because it resides only in memory. A logical terminal enables you to log on to another user ID without logging off your current user ID; using CA-VTERM, you can log on to up to 16 user IDs from just one physical terminal.

1.2.1.2 What is a CA-VTERM session?

Each time you log on through CA-VTERM, you begin a new session. Your current session includes the period of time during which you access the CPU through CA-VTERM. The current session is over when you quit CA-VTERM.

1.2.1.3 What is a user profile?

A user profile is a listing of specifications and definitions established for your user ID. Your user profile includes:

- logical option specifications, such as color support, and
- session commands sequences, such as the command to toggle forward to the next logical terminal (ID) in the current session

1.2.1.4 What is a session profile?

A session profile also contains logical option specifications and session command sequences. In addition, the session profile establishes logical terminal definitions; that is, a listing of logical terminal

- descriptions
- transfer IDs (for toggling directly to a specific logical terminal)
- logon or dial commands
- nodes (the CPU on which a logical terminal resides in a multi-CPU system)

The user and session profiles are created and maintained by the CA-VTERM utility program, VTRMUTIL.

1.2.1.5 What happens if you have neither a user nor a session profile?

Default option specifications, session command sequences, and logical terminal definitions are established for you in a system profile.

1.2.1.6 What is the hierarchy of all three profiles?

If you are using a user profile:

- the values which it defines govern your current session.
- and a specific session profile, the terminal definitions residing in the indicated session profile are used.
- and you have not specified a session profile, the terminal definitions residing in your default session profile are used, if one exists.
- that does not have a default session and if no session is specified at logon, the logical terminal definition for your session are governed by the system defaults.

If you are not using a user profile, but have a session profile, the values and logical terminals defined in the specified session profile govern your session.

If you are using neither a user profile nor a session profile, the default system options govern the current session.

1.3 HELP Utilities

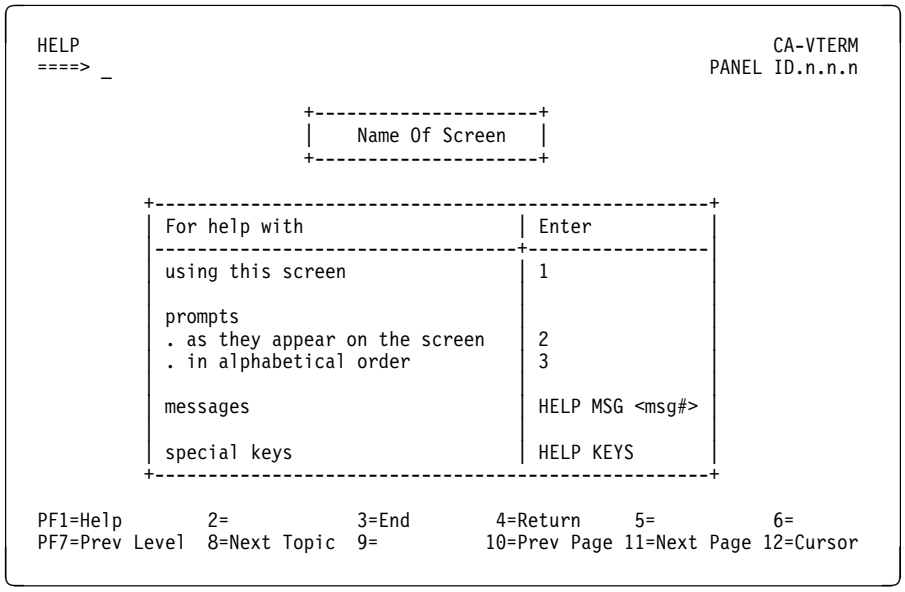
The HELP utilities provide immediate online assistance with CA-VTERM screens, diagnostic messages and command syntax and usage.

1.3.1 HELP with Screens

You can obtain HELP for any screen or message by pressing PF1 or by typing HELP and pressing ENTER. When you do this, you will see a main menu of HELP selections. The selections on the menu lead down to other HELP screens on lower levels. A sample menu screen is shown on the next page.

1.3.1.1 Sample Menu Screen

Help Screen



HELP	Identifies the screen as a HELP screen.
===>	This is the command area. Enter HELP commands or menu choice numbers here.
CA-VTERM	This is the product you are using.
PANEL ID	This is the ID of this HELP panel. The prefix is the panel ID number of the screen you wanted help with. The numbers following the period represent the various levels in the HELP hierarchy of screens.
Name Of Screen	Identifies the screen you wanted help with.
menu	Lists the HELP choices and tells you what to enter for each choice.
PF Keys	PF key options for movement within HELP.

1.3.2 Using HELP

To choose an item from a main menu like the one shown, simply type the number of your choice in the command area and press ENTER. If you want help with an error message or with special keys, enter the commands shown on the menu.

HELP screens are designed as a hierarchy. At the top is the main menu screen you have already seen. One selection explains how to use the product screen from which you called for HELP. Another selection offers you another menu of choices, so that you can get help with a specific prompt. Sometimes other selections are available that lead to help with other aspects of a product screen.

Once you are in HELP, you can move around within the HELP data base by pressing PF (program function) keys or entering HELP commands.

By requesting HELP while you're currently viewing a HELP screen, you can nest one HELP branch within another. You can do this as often as you like, and then go back to a previous HELP screen or to the product screen at which you started.

1.3.2.1 Program Function Keys

Key	Function	Description
PF1	HELP	Calls HELP from any CA-VTERM screen calls HELP for HELP from within the utility
PF3	End	Ends the current branch of HELP and returns to the screen that originally called it
PF4	Return	Ends HELP and returns to the product Primary Menu
PF7	Prev Level	Returns to the HELP menu from which you selected the current HELP screen
PF8	Next Topic	Displays the next HELP topic
PF10	Prev Page	Displays the previous page of a multi-screen HELP
PF11	Next Page	Displays the next page of a multi-screen HELP
PF12	Cursor	Moves the cursor to the command line

1.3.2.2 Getting Help with other CA-VTERM Screens

If you need assistance with a CA-VTERM screen other than the one from which you accessed HELP, and you know the panel ID number, enter:

HELP panelid

Entering this instruction in the command area will move you to the top HELP menu associated with that CA-VTERM screen.

1.3.2.3 Getting Help with HELP

If at any time you need help with HELP, press PF1 or enter HELP in the command area.

Help Screen

```
HELP                                                              CA-VTERM
====> _                                                              HELP

                          +------------------+
                          |    Using HELP    |
                          +------------------+

          +-----------------------------------------------+
          | To                                    | Press |
          |---------------------------------------+-------+
          | return to the                         |       |
          | . screen from which you requested HELP| PF3   |
          | . product main menu                   | PF4   |
          | . HELP menu from which you selected the|       |
          |   current HELP screen                 | PF7   |
          |---------------------------------------+-------|
          | scroll                                |       |
          | . to the next HELP topic              | PF8   |
          | . down to a continuation screen       | PF11  |
          | . up from a continuation screen       | PF10  |
          +-----------------------------------------------+

PF1=Help        2=            3=End        4=Return     5=           6=
PF7=Prev Level  8=Next Topic  9=          10=Prev Page 11=Next Page 12=Cursor
```

This screen tells you how to move around within HELP or return to CA-VTERM.

1.3.2.4 Additional HELP Commands

Command	Description
?	Displays the last command entered in the command area
=	Repeats the last command entered
&	When placed before a command, causes the command to remain in the command area until typed over

1.3.2.5 Cursor-Sensitive HELP

If you want to get help with a particular prompt without going through several HELP menus, simply tab the cursor to that prompt and press PF1. You will then go directly to the appropriate HELP screen. Once there, you can move around within the HELP data base in the usual manner, by pressing PF keys or entering HELP commands.

1.3.2.6 Ending HELP

To end HELP at any time, simply press PF3 or PF4:

- if you press PF3, you return to the screen from which you most recently requested help.
- if you press PF4, you end HELP and return to the product Primary Menu.

Since you can request HELP while you're viewing a HELP screen, you can nest one HELP branch within another. If you've nested the HELPs, press PF3 to return to a previous branch of HELP, or press PF4 to end all HELP.

1.3.3 HELP with Messages

If you get an error message while using CA-VTERM, and want an explanation of it, enter:

```
HELP MSG msg#
```

in the command area of a product or HELP screen. HELP with messages is available directly from the product or from within HELP.

When you enter this instruction, you will see a screen explaining the reason for the message displayed and the action you should take. The message information shown on the screen is the same as that shown in your manual. A sample screen is shown next:

```
HELP                              Messages                          CA-VTERM
====> _                                                           MSG_CAMC200I

ENTER USERID, PASSWORD AND/OR SESSION

  Reason:  This message is displayed on the Online Logon screen following a
           CP DIAL or VTERM CONNECT command to the CA-VTERM service machine.

  Action:  Enter a user profile name and associated password to utilize the
           autolog facility, or leave blank to display the Online Logon
           Options screen for altering the system defaults. Enter a session
           profile name to override the default session profile for a user.

PF1=Help        2=            3=End        4=Return     5=           6=
PF7=Prev Level  8=Next Topic  9=          10=Prev Page 11=Next Page 12=Cursor
```

The format of the message number is CApcnnnx where:

pc is the product code

nnn is a three-digit number

x is the severity code

1.3.4 HELP with Commands

Computer Associates provides a command syntax help facility which allows you to display, online, all information pertinent to any CA-VTERM command.

To access the Command HELP facility, press PF6 from any CA-VTERM product screen. This will display the syntax for the command directly associated with the function of the current screen. If the screen is a menu screen, or if there is more than one command associated with the screen function, then a menu of all CA-VTERM commands (for which HELP exists) is displayed. From this menu you may select the command you wish to view and press ENTER or PF2.

Additionally you may access the Command HELP facility by way of the COMHELP command. The syntax is:

```
COMHELP    |    [ product  [ command ] ]
```

Where:

product is an optional parameter specifying the name of the Computer Associates product for which you require help.

command is an optional parameter specifying the command you wish to display.

The COMHELP command may be executed from the CMS Ready prompt, or from the command line of any Computer Associates product screen.

If you enter "COMHELP" (without any parameters), the Command HELP Main Menu is displayed. This screen displays all of the CA-UNICENTER/II VM products for which Command HELP exists. Select the product you are using (CA-VTERM), then press ENTER or PF2.

If you enter "COMHELP CAVTERM", (or if you select CA-VTERM from the Main Menu), a product specific menu is displayed. This screen lists all of the CA-VTERM commands for which Command HELP exists. Select the command you need help with, then press ENTER or PF2. The command specific help screen is displayed.

If you enter "COMHELP CAVTERM command", the command specific help screen is immediately displayed.

You may also use the following syntax to obtain immediate help for any CA-VTERM command:

```
command    |      { ? | HELP | COMHELP }
```

Where:

command is the product command.

?|HELP|COMHELP are equivalent, and call the Command HELP facility.

Chapter 2. Getting Started

2.1 Starting Your CA-VTERM Session

There are three ways in which you can begin your CA-VTERM session:

- Issue the DIAL command to "dial" the virtual machine where CA-VTERM is operating:

  ```
  DIAL      |     VTERM
  ```

- Issue the CMS VTERM command after logging on to a CMS user ID:

  ```
  VTERM     |   [ CONNECT | DUPLEX | TUTOR ] serverid
  ```

- Issue the LOGON command to sign-on to the CA-VTERM VSE/VTAM Interface:

  ```
  LOGON     |  APPLID=applid
  ```

Note: Please consult your local VTAM administrator for the correct VTAM logon command.

The following chart explains the keywords in the VTERM command:

Keyword	Purpose
CONNECT	establishes a session identical to that initiated by the DIAL command. Now you can activate a user profile or alter the system defaults.
DUPLEX	requests that a logical session be displayed simultaneously on two physical terminals.
TUTOR	requests that a logical session be displayed simultaneously on several physical terminals, with input recognized from only the master terminal.
userid	identifies the CMS VTERM virtual machine. Default: VTERM

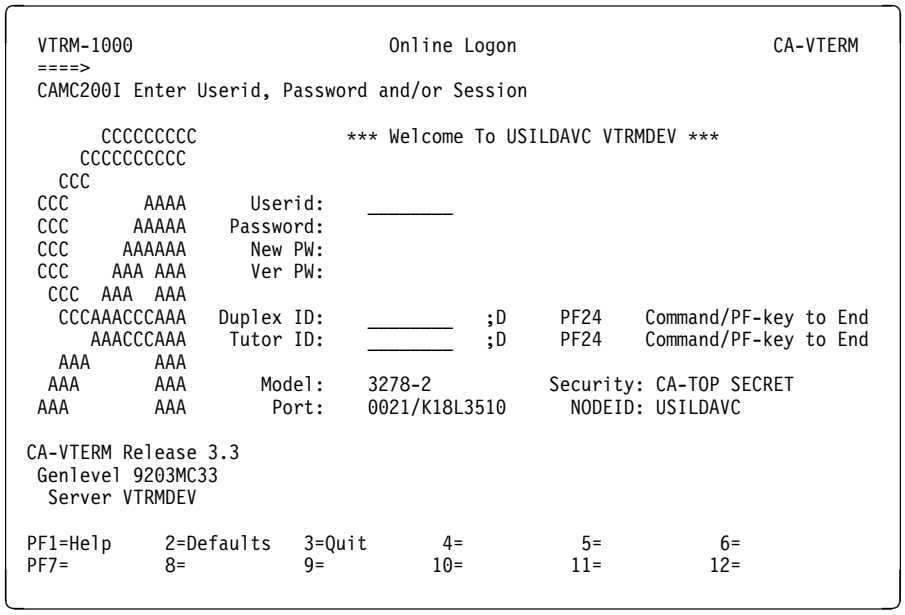
Use the CMS VTERM command when your system will not support the DIAL command or as an alternate way to use the DUPLEX or TUTOR facilities. While the CA-VTERM session is in progress, your terminal cannot be used for any purpose other than as a device for CA-VTERM.

2.2 Signing On

2.2.1 Using an Assigned Terminal

An assigned terminal is locked into using a specific session profile. If you are using an assigned terminal, the following Logon screen is displayed after you connect to CA-VTERM. Enter your user ID and password.

Online Logon



2.2.2 Using A Non-Assigned Terminal

If your terminal has **not** been defined as an assigned terminal, the following screen is displayed when you logon:

Online Logon

```
VTRM-1000                        Online Logon                          CA-VTERM
====>
CAMC200I Enter Userid, Password and/or Session

      CCCCCCCCC              *** Welcome To USILDAVC VTRMDEV ***
    CCCCCCCCCC
  CCC
CCC       AAAA      Userid:     ________      Session:  ________
CCC      AAAAA    Password:
CCC     AAAAAA      New PW:
CCC    AAA AAA      Ver PW:
 CCC  AAA  AAA
  CCCAAACCCAAA   Duplex ID:     ________   ;D     PF24    Command/PF-key to End
    AAAACCCAAA    Tutor ID:     ________   ;D     PF24    Command/PF-key to End
   AAA     AAA
  AAA       AAA       Model:    3278-2           Security: CA-TOP SECRET
 AAA        AAA        Port:    0021/K18L3510      NODEID: USILDAVC

CA-VTERM Release 3.3
 Genlevel 9203MC33
  Server VTRMDEV

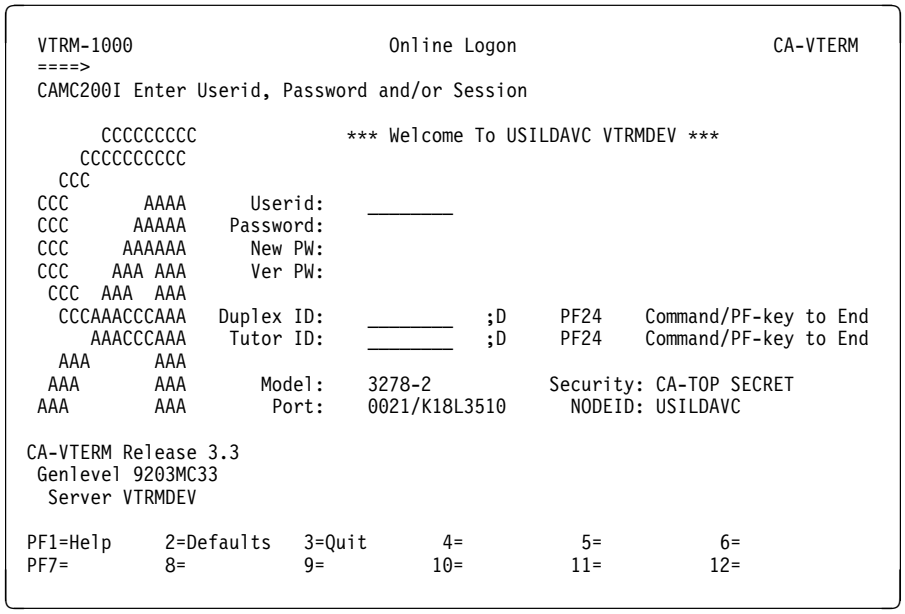
PF1=Help     2=Defaults   3=Quit       4=           5=           6=
PF7=         8=           9=          10=          11=          12=
```

- If you have a user profile, enter your user ID and password to use logical option specifications and session command sequences defined in your user profile. If your user profile specifies a default session, the terminal definitions residing in that session profile also take effect. If you want to override the default session with another session, enter a session name, as well.
- To use values defined in a session profile (other than the default session), ignoring logical option specifications and session command sequences residing in your user profile, enter only the session name. This is also appropriate when a user profile is not defined for you.

  If you specified a user and/or session profile name, CA-VTERM either displays the Online Session Menu (VTRM1200) or logs on to the first logical terminal in the session. The procedure which CA-VTERM follows depends on the Autolog option specification in the profile governing your current session.
- To use the system default values, press PF2 without typing anything on the Logon screen. CA-VTERM displays the Online Logon Options (VTRM1100) screen. This permits you to select the logical options and session command sequences that will govern the current session. See the chapter, "Altering Values For The Current Session," for instructions on choosing these values.

After entering your userid/session/password, the Security Messages screen will be displayed if you have an external security manager such as CA-ACF2 or CA-TOP SECRET. This screen will also be displayed if you have changed your logon password on the Online Logon screen (VTRM1000).

Online Logon



You should then press Enter to display the System News screen.

System News

```
 VTRM-0130                        System News                          CA-VTERM
====>
Enter System News (If more that 18 lines entered, News will be truncated)
                                Welcome to VTRMDEV

  >>> Please use VTRMUTIL from CAVTERM 196
  >>> Please Change Any Nodenames You Have In Your Session Profile
          From SYSTEMB/SYSTEMC To USILDAVB/USILDAVC


  >>> If you wish to try the new VTAM interface, please LOG A80IPVT1 <<<




             *     THIS IS A DEVELOPMENT TEST MACHINE     *
             *  FEEL FREE TO USE IT,  BUT IT CAN AND WILL *
             *  BE RECYCLED WITH LITTLE OR NO NOTICE..... *

* * * End of File * * *
 PF1=Help      2=File       3=End         4=Return      5=           6=ComHelp
 PF7=          8=           9=           10=           11=          12=Refresh
```

You can now press Enter to proceed with the Autologon procedure (if specified in your userid or session profile) or press PF3 to skip Autologon and display the CA-VTERM Session Menu (VTRM1200).

Online Session Menu

```
 VTRM-1200                  Online Session Menu                       CA-VTERM
 ====>

 Userid : USER01    Session: SESS01  PRIMARY TEST ID
 Options: 1=Toggle, 2=Reset, 3=Move, 4=Before, 5=After, 6=Drop
 Opt  Xfer    Term   Description                                   Status
  _   CMS     LOC06  MAIN USERID
  _   D020    LOC00  VTAM TEST ID
  _   D021           VTAM TEST ID
  _   PROD           PRODUCT TEST ID
  _   QA             QUALITY ASSURANCE ID
  _   TEST           ADDITIONAL TEST ID
  _   ____           ____________________________________

 PF1=Help      2=Suspend    3=Quit        4=Return      5=SaveUser   6=SaveSess
 PF7=Term/def  8=Options    9=Stats      10=           11=News      12=Lock
```

The "Status" column contains an indication of the current status of the associated logical terminal. This is a reflection of the VM status area, so it will contain entries such as RUNNING, VM READ, CP READ, and so on. If the contents of a toggled-away screen change, the status is prefixed with an "*" (e.g., "*RUNNING").

Chapter 3. Using Logical Terminals

3.1 The Autolog Facility

CA-VTERM can automatically log you on to the first logical terminal on your terminal list if your dominating profile specifies Y (Yes) for Autolog. For this automatic logon to occur, it is also required that

- the terminal has been defined on the Session Terminal Description (VTRM0360) screen of the CA-VTERM utility program, VTRMUTIL, and
- a logon dial sequence is provided on the Session Terminal Command Definition (VTRM0370) screen of the CA-VTERM utility program, VTRMUTIL.
- the user does not press PF3 from the System News screen.

If Autolog is specified as N (No), the Online Session Menu is displayed. You can log on to your logical terminals directly from this screen.

A sample Online Session Menu is displayed below.

Online Session Menu

```
VTRM-1200                 Online Session Menu                       CA-VTERM
====>

Userid : USER01    Session: SESS01  PRIMARY TEST ID
Options: 1=Toggle, 2=Reset, 3=Move, 4=Before, 5=After, 6=Drop
Opt  Xfer    Term   Description                                    Status
 _   CMS     LOC06  MAIN USERID
 _   D020    LOC00  VTAM TEST ID
 _   D021           VTAM TEST ID
 _   PROD           PRODUCT TEST ID
 _   QA             QUALITY ASSURANCE ID
 _   TEST           ADDITIONAL TEST ID
 _
 _   ____           ____________________________________

PF1=Help      2=Suspend    3=Quit        4=Return      5=SaveUser   6=SaveSess
PF7=Term/def  8=Options    9=Stats      10=           11=News      12=Lock
```

3.2 Logging on to Logical Terminals

If you specified a user ID, password and/or a session profile name at the Logon screen, CA-VTERM automatically logs on to each logical terminal when you toggle to it for the first time in the session. Specifying a user ID or session profile name tells CA-VTERM where to look for the logon/dial commands and the sequence in which they are to be issued (this is defined by your session profile). If you do not specify a session profile name, or a user ID whose user profile has a default session, this source of information is unavailable to CA-VTERM, and you must manually log on to each logical terminal when you access it for the first time in the session.

If you toggle to a logical terminal for which a logon/dial sequence was not defined in your profile, your terminal displays your standard installation VM logo. You must manually log on to the logical terminal, even if you are using a session or user profile, because CA-VTERM does not know the correct logon procedure.

Every time you toggle to another logical terminal, CA-VTERM saves your current screen so that you can return to the point from which you left off merely by entering the toggle sequence or transfer ID (these are explained in the next section).

3.3 Toggling to Logical Terminals

Your user and session profiles display forward and backward toggling sequences, each of which consists of a PF key or a 1 to 4-character command sequence followed by a PF key.

On the Logon screen, if you	Toggle sequences are determined by
entered a userid	your user profile
specified a session, but did not enter a userid	the session profile
did not respond to any prompts	the system defaults as shown on the Online Logon Options screen

3.3.1.1 Toggling Directly With Transfer IDs

You can toggle directly to a specific logical terminal by entering its transfer ID on the command line. A transfer ID is a 1 to 4-character sequence that has been defined on the Session Terminal Description (VTRM0360) and Session Terminal Command Definition (VTRM0370) screens of the VTRMUTIL utility program. The transfer IDs for your logical terminals are displayed on the Online Session Menu (VTRM1200) and the Online Session Terminal Command Definition (VTRM1210) screens.

Under certain circumstances, you can toggle to a logical terminal only with the transfer ID; CA-VTERM may not recognize the FORWARD or BACKWARD TOGGLE commands for specific logical terminals. This option, called the TOGGLE option, is set in the session profile. Refer to the chapters "Altering Values For The Current Session" and "Redefining The Current Session" for an explanation of the TOGGLE option on the VTRMUTIL and Online Session Terminal Command Definition screens.

Chapter 4. Altering Values For The Current Session

4.1 Working without a User or Session Profile

If you do not enter a user ID or session name, the values which govern your session are derived from the system defaults. However, CA-VTERM displays the Online Logon Options (VTRM1100) screen so that you may modify these default values for your current session.

Online Logon Options

```
VTRM-1100                  Online Logon Options                    CA-VTERM
====>
CAMC201I System Defaults Displayed--Alter As Desired
No Of Terminals  : 03

Options   Hold   : Y  Alarm : N  Buffer: R  More: C  Compress: N
          Msg    : Y  Duplex: N  Emulate 3278-2 : N  Stamp   : Y
          Autolog: Y  Force : Y  Return To Menu : Y  Dark    : N

Forward  Toggle  : :F    PF24  (Optional 1-4 character command with PFKey)
Backward Toggle  : ;B    PF24
Display  Menu    : ;M    PF24
Suspend  Session : ;X    PF24
Add      Terminal: ;A    PF24
Drop     Terminal: ;D    PF24
Lock     Terminal: ;L    PF24
Send     Screen  : ;S    PF24    To Userid: TEST05
Print    Screen  : ;P    PF24    To Userid: TEST01      At: SYSTEMB
Print    Tag     : ____________________________________

PF1=Help       2=           3=Quit        4=           5=           6=
PF7=           8=           9=           10=          11=          12=Refresh
```

Change the values directly on this screen; then press ENTER to accept the new values and start the session.

For an explanation of the displayed options, see the sections titled "Selecting Logical Options" and "Defining Session Commands."

4.2 Working with a User and/or Session Profile

If you enter a user ID and/or a session name, the values defined in the dominating profile take effect. However, the tasks you are planning for the current session may be more easily accomplished by altering some of these values. If this is the case, you can alter options for the current session by accessing the Online Session Options (VTRM1220) screen:

- If your profile specifies YES for Autolog, CA-VTERM automatically logs on to your first logical terminal after you sign on to the system. At the command line, enter the command sequence for accessing the Online Session Menu (this sequence is defined in your user or session profile). Then press PF8 to display the Online Session Options screen. If you do not know what the necessary command sequence is, check with your system administrator.
- If your profile specifies NO for Autolog, CA-VTERM displays the Online Session Menu after you sign on to the system. Press PF8 to display the Online Session Options screen.

(The values shown below are for display purposes only.)

Online Session Options

```
VTRM-1220                  Online Session Options                  CA-VTERM
====>

Userid           : USER01
Name             : JOHN DOE
Description      : PRIMARY TEST ID
No of Terminals  : 08
Options   Hold   : Y  Alarm : N  Buffer: R  More: C  Compress: N
          Msg    : Y  Duplex: N  Emulate 3278-2 : N  Stamp   : Y
          Autolog: Y  Force : Y  Return To Menu : Y  Dark    : N

Forward  Toggle  : ;F    PF24   (Optional 1-4 character command with PFKey)
Backward Toggle  : ;B    PF24
Display  Menu    : ;M    PF24
Suspend  Session : ;X    PF24
Add      Terminal: ;A    PF24
Drop     Terminal: ;D    PF24
Lock     Terminal: ;L    PF24
Send     Screen  : ;S    PF24     To Userid: ________
Print    Screen  : ;P    PF24     To Userid: ________    At: SYSTEMB
Print    Tag     : ;_____________________________________

PF1=Help       2=Suspend    3=Menu       4=Return      5=           6=
PF7=Term/Def   8=           9=Stats     10=           11=News      12=Lock
```

Change the session options directly on your screen. Then, press PF4 to toggle to your first logical terminal. Remember that these new values will be used only for the duration of the current session. Once you QUIT the changes are lost. When you log on to start a new session, the values preset in your profiles again take effect.

The following sections explain each of the options displayed on the Online Logon Options and Online Session Options screens.

4.3 Selecting Logical Options

The chart below lists the terminal options with their available values. An explanation of each option follows.

To	Specify	For the option
automatically log on to the first logical terminal after sign-on	Y	Autolog
imitate a model-2 terminal screen (with 24 PF keys)	Y	Emulate 3278-2
support color and enhanced features	C	
permit a session to run on two physical terminals simultaneously	Y	Duplex
permit a session to be displayed simultaneously on several physical terminals	T	Duplex
permit the transfer of an active session from one terminal to another	Y	Force
sound an alarm when a change occurs on a toggled-away terminal	Y	Alarm
control buffer use of logical terminals according to application being used		
■ CMS	(blank)	Buffer
■ CICS, MVS, VSE or TSO	I	
■ remote terminal	X	
compress buffer before writing, for remote terminals	Y	Compress
permit messages to be received	Y	Msg

To	Specify	For the option
manipulate toggled-away screen when a CP MORE condition occurs by		
■ clearing the screen	C	More
■ holding the screen contents	H	
■ performing no special processing	(blank)	
retain a terminal entry on the terminal list after logoff	Y	Hold
display the Online Session Menu after terminating a logical terminal	Y	Return To Menu
permit toggling to a logical terminal without using a specific transfer ID	PFnn	Xfer
suppress the stamping of logical sessions with a userid or dial or LDEV information	N	STAMP
force the stamp on a logical session	F	STAMP
Force the stamp to the top right screen corner	T	STAMP
place the stamp if no other application data present	O	STAMP
suppress screen displays until a VTRMSD call from an ATP, or ATP END	Y	DARK

Each of the logical options is described on the following pages. The options are listed in alphabetical order.

4.3.1.1 ALARM

The ALARM option sounds an alarm if something occurs on a toggled-away logical terminal, such as new data or messages appearing on the screen. Specify Y (Yes) to sound an alarm, or N (No) to suppress the alarm.

4.3.1.2 AUTOLOG

The AUTOLOG option automatically initiates the logon procedure (including password, dial command, or automated terminal program) for your first logical terminal after you sign on to the system when Y (Yes) is specified. If N (No) is specified, the Online Session Menu is displayed, from which you may toggle to a logical terminal.

4.3.1.3 BUFFER

Every time a logical terminal is initiated, CA-VTERM creates a corresponding 8K buffer (or 32K buffer for color terminals with the EMULATE 3278-2 option specified as C). The BUFFER option instructs CA-VTERM on how to respond to information in this buffer and is dependent on the application being used on the logical terminal. For CMS, specify a blank for this option. For CICS, MVS, VSE or TSO applications, specify I for the BUFFER option. If the physical terminal is on a remote network, specify X for this option to improve network efficiency.

4.3.1.4 COMPRESS

The COMPRESS option compresses the write buffer before writing if Y (YES) is indicated. This dramatically reduces the number of characters transmitted and is especially useful for remote terminals.

4.3.1.5 DARK

Use the DARK option to suppress screen displays until a VTRMSD call from an ATP, or ATP end, specifies Y (yes). The default, N (no), will allow normal screen displays.

4.3.1.6 DUPLEX

If the DUPLEX option is specified as Y (Yes), you can run the current CA-VTERM session on two physical terminals simultaneously. This feature is useful for training, problem solving or applications that require administrative monitoring and simultaneous authorization. If specified as T (Tutor), permits you to display the current session on several physical terminals simultaneously, for tutoring purposes.

4.3.1.7 EMULATE 3278-2

The EMULATE option gives your terminal screen:

- the same appearance as a model 2 terminal screen if Y (Yes) is specified.
- color and enhanced feature support if C (Color) is specified. (CA-VTERM supports color terminals beginning with VM/SP release 5 at put level 8704.)

Both settings are available for individual terminals or for all terminals.

4.3.1.8 FORCE

The FORCE option permits active, online sessions to be transferred from one physical terminal to another without suspending the session. Specify either Y (Yes) or N (No).

4.3.1.9 HOLD

The HOLD option retains a logical terminal on the terminal list once you log off, if Y (Yes) is specified.

4.3.1.10 MORE

The MORE option tells CA-VTERM how to react when a CP MORE condition occurs on a toggled-away screen. To

- instantly clear the screen, specify C (autoClear).
- hold the contents of the screen, specify H (autoHold).
- perform no processing when the screen overflows, specify nothing (blank).

4.3.1.11 MSG

The MSG option permits you to refuse online messages by indicating N (No), or to receive messages by specifying Y (Yes).

4.3.1.12 RETURN TO MENU

The RETURNED TO MENU option determines whether the Online Session Menu is automatically displayed when a logical terminal is terminated or dropped. Specify Y (Yes) to display the menu screen.

4.3.1.13 STAMP

The STAMP option is used to suppress the CA-VTERM stamping of logical sessions with the userid|DIAL information|LDEV information, specify N (no). The default, Y (yes) will allow the stamping.

Specify F (force) to stamp VTAM sessions. Specify O (optional) to stamp the screen only if no other data are present. Specify T (Top) to force the stamp to the top right screen corner.

4.3.1.14 TOGGLE

The TOGGLE option is used to access the TOGGLE option, press PF7 from the Online Session Options (VTRM1220) screen. The Online Session Terminal Command Definition screen is displayed. You can bypass logical terminals on your terminal list by indicating N (No). When specified as N, you can toggle to a logical terminal only by entering the transfer ID. You can be automatically toggled to a specified logical terminal whenever something is written to it by indicating A (Autotoggle).

When specified as B (Bypass), this option indicates that you may toggle to a logical terminal only if it has not been logged off during the current session. If the logical terminal has not been logged on during this session, or if it is currently logged on, then the toggle operation is performed. However, once a logical terminal has been logged off (disconnected) you may only toggle to it by entering its transfer ID. This option is useful for logical terminals that are to be used only once during the course of a session.

When specified as S (Skip), this option indicates that you may toggle to a logical terminal only if it is currently logged on. After you log off, CA-VTERM will not automatically toggle to this terminal. If you return to this terminal, either from the menu or by the transfer id, CA-VTERM will once again toggle to it, until you log off again.

If the TOGGLE option is specified as B (Bypass) or S (Skip), the menu screen will be displayed when the logical terminal is logged off.

4.4 Defining Session Commands

The session commands support CA-VTERM functions for manipulating logical terminals. These commands are defined in your user and/or session profiles as a:

- PF key or
- 1 to 4-character sequence followed by a PF key

The PF key that you assign to a session command distinguishes it from other types of commands, such as editor or application program commands.

The session commands affect only the current session. You may alter the session command sequences on the Online Session Options screen. Any permanent changes must be made to the User or Session profiles.

The chart below displays the functions of the session commands. A more detailed explanation of these commands follows.

To	**Issue this command**
Toggle to the	
■ next logical terminal	Forward Toggle
■ previous logical terminal	Backward Toggle
add a logical terminal	Add Terminal
drop a logical terminal	Drop Terminal
display and/or alter the	
■ Online Session Menu	Display Menu
■ logical terminal options and session command values	Display Menu, then PF8
■ logical terminal definitions and logon/dial sequences	Display Menu, then PF7
Send	
■ a screen image of the current screen	Send screen and To Userid
■ a printout of the current screen	Print Screen and To Userid
suspend the current session, but retain the connection to CA-VTERM so the session can be resumed where it left off	Suspend Session
Lock a terminal	Lock Terminal
End the current session	Display Menu, then PF3

A detailed description of each session command follows. The commands are described in the order in which they appear on the screen.

4.4.1.1 FORWARD TOGGLE

The FORWARD TOGGLE command displays the next logical terminal on your logical terminal list. Since CA-VTERM toggles in a circular direction, when you toggle forward from the last terminal on the list, CA-VTERM displays the first logical terminal on the list. (The order of the logical terminals is displayed on the Online Session Menu and is established for the session profile on the Session Terminal Description (VTRM0360) screen of the VTRMUTIL utility program.)

Note: Defining the forward toggle command as a PA key will disable the transfer (Xfer) ID function for the current session.

4.4.1.2 BACKWARD TOGGLE

The BACKWARD TOGGLE command displays the previous logical terminal. Since toggling takes place in a circular direction, when you toggle backward from the first entry on the terminal list, CA-VTERM displays the last logical terminal on the list. (The order of the logical terminals is displayed on the Online Session Menu and is established for the session profile on the Session Terminal Description (VTRM0360) screen of the VTRMUTIL utility program.)

4.4.1.3 DISPLAY MENU

The DISPLAY MENU displays the Online Session Menu screen. You can reorder your logical terminals directly on this screen by placing the number 3 before the terminal you are moving and the number 4 or 5 next to the terminal before or after which it is being moved. (Directions are displayed on the Online Session Menu itself.)

From the Online Session Menu screen, you can also access the

- Online Session Terminal Command Definition screen, on which you can alter the logon/dial command sequences for the logical terminals.
- Online Session Options screen, on which you can alter the terminal options and session command definitions for the current session.

4.4.1.4 SUSPEND SESSION

The SUSPEND SESSION temporarily ends your current session and

- saves the current screen
- places the session on the HOLD List
- releases the physical terminal from CA-VTERM

This command permits you to reconnect to CA-VTERM at a later time with the suspended session values intact. You can resume the session as though it had never ended. However, if you are not using a user profile or if your user ID is defined as a group user ID, SUSPEND SESSION will be ineffective.

You must suspend the current session in order to transfer a session from one terminal to another if the FORCE option is set to N.

4.4.1.5 ADD TERMINAL

The ADD TERMINAL command adds a logical terminal immediately after the logical terminal that is currently displayed.

4.4.1.6 DROP TERMINAL

The DROP TERMINAL command logs off the current logical terminal and removes it from the logical terminal list. CA-VTERM then displays to the Online Session Menu.

4.4.1.7 LOCK TERMINAL

The LOCK TERMINAL command prevents your physical terminal from being used until a password is entered.

4.4.1.8 SEND SCREEN TO USERID

The SEND SCREEN TO USERID command displays a screen image of the current screen at the destination specified by the TO USERID prompt of your user or session profile. The destination must be another session currently active on the CA-VTERM service machine; otherwise, CA-VTERM displays the error on the Online Session Menu.

4.4.1.9 PRINT SCREEN TO USERID AT NODE TAG

The PRINT SCREEN TO USERID AT NODE TAG command sends a copy of the current screen to a print or reader queue at the indicated destination (TO USERID and AT prompts of your user or session profile).

The AT prompt specifies the node (CPU ID) to which to send the screen display. A response to the AT prompt causes CA-VTERM to search the system NETID file.

- If the response to the AT prompt indicates the same CPU as the one you are using, or if there is no response to the AT prompt, a copy of the screen is sent to a print queue.
- If the response to the AT prompt indicates a CPU other than the one you are using, the copy of the screen is sent to a reader queue.

The TAG operand allows a tag value to be specified for files sent to a userid on the local node. This allows easy printing of screens on RSCS printers.

Chapter 5. Redefining The Current Session

You can redefine most aspects of your current session using the following screens:

- Online Session Menu
- Online Session Options
- Online Session Terminal Command Definition

We have already discussed how you may change the terminal option specifications and session command sequences directly on the Online Session Options screen. You may also "reshape" your session, by adding and dropping logical terminals, redefining logon/dial commands, and reassigning transfer IDs to permit direct toggling.

5.1 Adding and Dropping Logical Terminals

As we described in the previous section, you can add and drop logical terminals for the current session using the ADD TERMINAL and DROP TERMINAL commands respectively. When you issue the ADD TERMINAL command from the current screen, CA-VTERM adds one logical terminal immediately following the logical terminal from which you are issuing the command. (You can issue ADD TERMINAL and DROP TERMINAL only from a logical terminal, not from the CA-VTERM product screens.) Your installation VM logo is displayed, and you can issue the necessary commands and passwords for initiating the new logical terminal.

Whether a logical terminal is one that you added only for the current session or a permanent part of your terminal list, you can drop it by issuing the DROP TERMINAL command from the logical terminal you want to drop. You should be sure that you want to drop the logical terminal from the current session, however. Remember that you can log off a terminal on your terminal list without actually dropping the terminal from the list if the HOLD option is specified as Y (Yes).

5.2 Redefining Logical Terminals

You can redefine your logical terminals for the current session on the Online Session Terminal Command Definition screen. This screen displays:

- transfer (Xfer) IDs
- nodes (CPU IDs)
- logon/dial/automated terminal program commands

The following is a sample Online Session Terminal Command Definition screen.

```
VTRM-1210         Online Session Terminal Command Definition         CA-VTERM
====>

Userid : USER01    Session: SESS01
Options: 1=Toggle, 2=Reset, 3=Move, 4=Before, 5=After, 6=Delete
Opt  Xfer    Node      Logon/Dial/A.T.P. Command              HAEBMCTSD
 _   CMS     _______   VLOG                                   YNNXCN YN
 _   D020    _______   D VTAM 020                             YNNXCN YN
 _   D021    _______   D VTAM 021                             YNNXCN YN
 _   PROD    _______   VLOG TEST01 PASS01                     YNNXCN YN
 _   QA      SYSTEMC   VLOG TEST01 PASS01                     YNNXCN YN
 _   TEST    SYSTEMC   VLOG                                   YNNXCN YN

PF1=Help       2=Suspend    3=Menu        4=Return      5=          6=
PF7=           8=Options    9=Stats      10=           11=News     12=Lock
```

In the first column, **Opt,** you can enter any of the displayed options:

1. to toggle to a logical terminal
2. to reset a logical terminal
3. to move a logical terminal
4. (before this logical terminal)
5. (after this logical terminal)
6. to drop the logical terminal from the list

The second column, **Xfer,** displays the transfer IDs (1 to 4 characters long).

The third column, **Node,** symbolically identifies the CPU in a multi-CPU installation. The CPUs are defined in the SYSTEM NETID file.

The fourth column, **Logon/Dial/A.T.P. Command,** identifies the logon sequences.

The fifth column, **HAEBMCTSD,** lists the terminal options in effect:

H Hold

A Alarm

E Emulate 3278-2

B Buffer

M Msg

C Compress

T Toggle

S Stamp

D Dark

Consult the logical option section of the previous chapter for a description of the terminal options.

You can alter any of the data on this screen. Any changes you make remain in effect until you end the current session or make further changes, whichever comes first.

5.2.1.1 Transfer IDs

Once you redefine or establish a new transfer ID on the Online Session Terminal Command Definition screen, it remains in effect until you end the current session or change or delete the ID by typing blanks over it, whichever comes first. If you suspend the session, those changes will stay intact because your CA-VTERM session has not yet been ended.

If you erase the transfer ID, CA-VTERM drops the logical terminal from the list.

To add a logical terminal to the list, define the transfer ID on the last line of the list. (This last line is not displayed for application session profiles or user profiles where OVERRIDE=N.)

5.2.1.2 Logon/Dial/Automated Terminal Program Command Sequence

The logon/dial/automated terminal program command sequences are established on the Session Terminal Command Definition (VTRM0370) screen of the VTRMUTIL utility program. However, you can redefine new commands for initiating logical terminals or automated terminal programs for the current session directly on the Online Session Terminal Command Options (VTRM1210) screen. These changes remain in effect for the rest of your current session, even if you suspend the session. If you end the CA-VTERM session, all changes are lost. The permanent logon/dial/automated terminal program commands established on the Session Terminal Command Definition (VTRM0370) screen, of the VTRMUTIL utility program, are resumed when you initiate a new CA-VTERM session.

5.3 Transferring Active Sessions

You can transfer an active CA-VTERM session from one physical terminal to another without logging off and on again. However, your user profile must specify FORCE=Y for this to take place -- check this setting on the Online Session Options (VTRM1220) screen before trying to transfer your current session. If your profile specifies FORCE=N, you can alter the specification directly on the Online Session Options screen; the new setting will remain in effect until you end the current session or change the option value, whichever comes first.

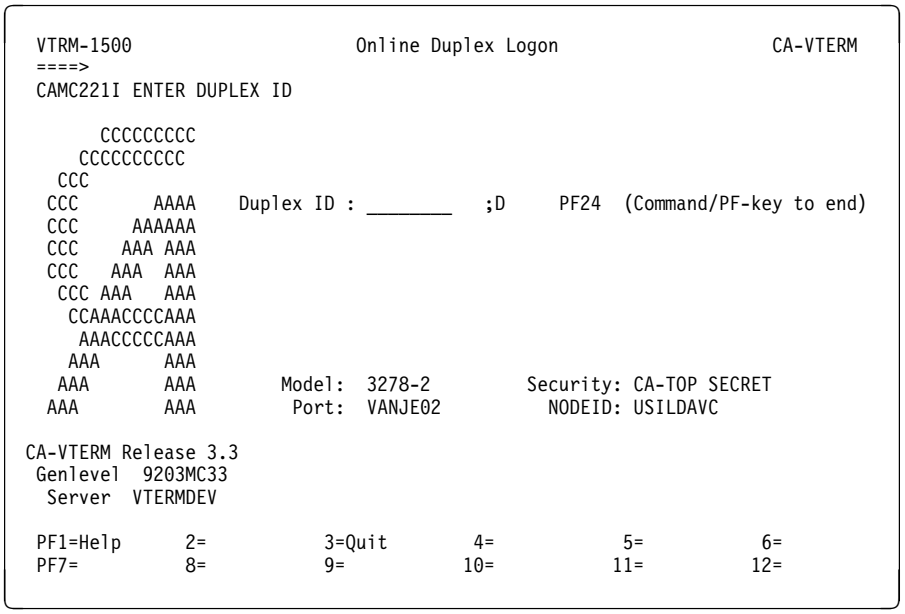
To transfer an active, session from one physical terminal to another, enter the VTERM CONNECT or DIAL VTERM command from the new terminal. CA-VTERM drops the session from the first terminal and continues the session on the second terminal from the exact point where you left off.

5.4 Duplexing

You can simultaneously run one CA-VTERM session on two physical terminals. Data can be entered at both terminals, but the owner of the main session has priority. This feature is useful for training, problem solving or applications that require administrative monitoring and simultaneous authorization.

When you want to participate in another user ID's session, DIAL to the CA-VTERM service machine and enter your CA-VTERM userid and password. Then enter the name of the userid with which you want to duplex (next to the DUPLEX prompt), followed by the terminating command sequence. You may also log onto a CMS userid, then enter **VTERM DUPLEX.** The VTERM DUPLEX command is necessary if you do not have a CA-VTERM user profile defined.

If the **VTERM DUPLEX** command is used, CA-VTERM then displays the following screen:



Next to the **Duplex ID** prompt, enter the id of the session that you want to run on your terminal. The id can be any of the following:

- VM userid
- user profile name
- session profile name
- physical or logical terminal address

Next, enter a command sequence for ending the duplex session. The default value, which is displayed, is the system-defined DROP command. You may override this value by entering your own terminator sequence on the screen.

The requesting ID can end the duplex session at any time by issuing the terminator sequence.

The owner of the main session can end the duplexing session by changing the DUPLEX option on the Online Session Options screen to N.

If the owner of the main session has DUPLEX=Y specified, CA-VTERM displays the following message on the owner's terminal:

ENTER YES TO INITIATE DUPLEXING WITH userid

where **userid** identifies the user requesting the duplex session.

If the owner of the main session is accessing a CA-VTERM online product screen, the message will be displayed on the current screen.

If the owner of the main session is accessing any other screen, the Online Session Menu screen is immediately displayed, and the message appears on this screen.

```
VTRM-1200                   Online Session Menu                     CA-VTERM
====>
CAMC224I ENTER YES TO INITIATE DUPLEXING WITH userid

Userid : USER01    Session: SESS01  PRIMARY TEST ID
Options: 1=Toggle, 2=Reset, 3=Move, 4=Before, 5=After, 6=Drop
Opt  Xfer    Term   Description                              Status
 _   CMS     LOC06  MAIN USERID
 _   D020    LOC00  VTAM TEST ID
 _   D021           VTAM TEST ID
 _   PROD           PRODUCT TEST ID
 _   QA             QUALITY ASSURANCE ID
 _   TEST           ADDITIONAL TEST ID
 _   ____           ____________________________________

PF1=Help       2=Suspend    3=Quit       4=Return      5=           6=ComHelp
PF7=Term/def   8=Options    9=          10=           11=          12=Lock
```

In either case, the owner of the session must enter YES to begin the duplexing session.

When duplexing, the owner of the session overrides the user who requested the duplexing session. Combined with the requirement for the session owner's approval of the duplexing session, this safeguard prevents:

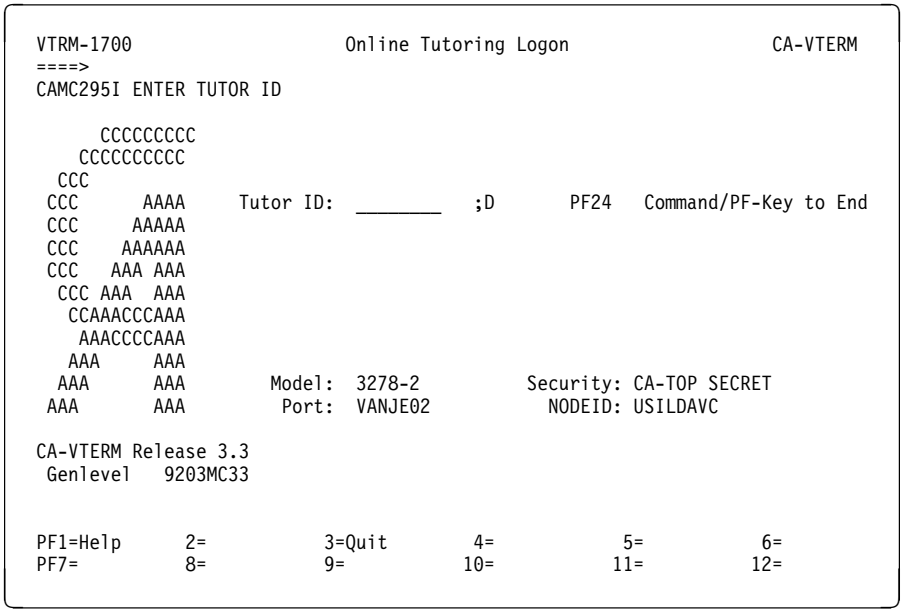
- unauthorized data access
- unwanted input or deletion of data
- conflicting data updates from being processed simultaneously

5.5 Tutoring

You may simultaneously display any logical CA-VTERM session on several physical terminals, for large-scale training purposes. Only the owner of the main session may enter data at the screen. Any input from the other terminals, except the terminating sequence, will be ignored.

To display another user ID's session, DIAL to the CA-VTERM service machine and enter your CA-VTERM userid and password. Then enter the name of the userid with which you want to tutor (next to the TUTOR prompt), followed by a terminating command sequence. You may also log onto a CMS userid and enter **VTERM TUTOR.** The VTERM TUTOR command is necessary if you do not have a CA-VTERM user profile defined.

If the **VTERM TUTOR** command is used, CA-VTERM then displays the following screen:



Next to the **Tutor ID** prompt, enter the id of the session that you want to display on your terminal. The id can be any of the following:

- VM userid
- user profile name
- session profile name
- physical or logical terminal address

Next, enter a command sequence for ending the tutoring session. The default value, which is displayed, is the system-defined DROP command. You may override this value by entering your own terminator sequence on the screen.

The requesting ID can end the tutor session at any time by issuing the terminator sequence.

When a tutoring session is established, the owner of the main session is not notified of the connection. Tutoring with another session is allowed if:

- the owner of the main session has DUPLEX=T (for Tutor) specified, or
- the requesting ID is defined as a privileged CA-VTERM operator.

Chapter 6. Sending Messages

There are three facilities available for sending messages to CA-VTERM-controlled terminals. Any user may use any of these facilities. CA-VTERM saves the current screen before displaying the message. After the message appears, the recipient must press the CLEAR key to restore the original screen contents.

6.1 From the Command Line

The CP SMSG facility enables you to send a one-line message from the command line of any screen. However, this command may be invoked only from the user's logical terminal. Also, you may not issue a CP SMSG command from the online product screens (Online Session Menu, Online Terminal Command Definition, or Online Session Options screens).

```
                        |  {   user-profile     }
                        |  {   session-profile  }
                        |  {   logged-on userid }
CP SMSG VTERM MSG       |  {   dialed-to userid }   text
                        |  {   cuu              }
                        |  {   Gcuu             }
                        |  {   Lcuu             }
```

This parameter	Sends the message to
user-profile	all users operating a session governed by this user profile.
session-profile	all users operating a session governed by this session profile.
logged-on-userid	the userid logged on to from within the CA-VTERM session.
dialed-to-userid	the userid dialed to from within the CA-VTERM session.
cuu	the real terminal address.
Lcuu	the logical terminal address.
Gcuu	the dialed or graphic terminal address.

6.2 From the Online Product Screens

You may also send messages from the CA-VTERM Online Command Display and Online Message Display screens. You access these screens from the Primary Menu of the CA-VTERM utility, VTRMUTIL.

6.2.1 Accessing the CA-VTERM Utility

To access the CA-VTERM utility, type **VTRMUTIL,** and press ENTER. the Primary Menu (VTRM-0000) will be displayed.

To access the CA-VTERM utility from CA-UNICENTER/II, type **CAI.** A logon screen is displayed with your CP userid. Type your password and press ENTER.

The next screen displays all of the CA-UNICENTER/II VM products which have been installed. Select the number corresponding to CA-VTERM and press ENTER. The CA-VTERM Primary Menu (VTRM-0000) is displayed.

6.2.2 The Primary Menu

```
VTRM-0000                        Primary Menu                          CA-VTERM
====>

     Enter the number of your selection and press the ENTER key:

        1  System    Information

        2  User      Profile  Information

        3  Session   Profile  Information

        4  Automated Terminal Program  Information

        5  Online    Command  Display

        6  Online    Message  Display

PF1=Help      2=           3=Quit        4=Return      5=           6=ComHelp
PF7=          8=           9=           10=           11=          12=
```

From this screen you can access other screens allowing you to set the system defaults/options, create and maintain user and session profiles, access automated terminal programs, issue CA-VTERM commands, and send messages to other userids. Each of the Primary Menu selections is briefly described on the following page.

To choose an option, type in the number of your selection and press the ENTER key.

1. **System Information**

   Displays a screen on which a CA-VTERM operator can change the system defaults.

2. **User Profile Information**

   Allows any CA-VTERM user to create, modify or delete their own user profile.

3. **Session Profile Information**

   Allows any CA-VTERM user to create, modify or delete their own session profiles.

4. **Automated Terminal Program Information**

   Permits a CA-VTERM operator to create, modify or delete any automated terminal programs.

5. **Online Command Display**

   Permits any CA-VTERM user to issue CA-VTERM online commands to check the status of the CA-VTERM system.

6. **Online Message Display**

   Allows any CA-VTERM user to send a full-screen message to any other logged-on CA-VTERM user.

6.2.3 The Online Command Display Screen

Choose option 5 from the CA-VTERM Primary Menu to display the Online Command Display screen. From this screen you may enter the MSG command to send a one-line message. The Online Command Display screen is shown below.

```
VTRM-0500                Online Command Display                    CA-VTERM
====>
   Enter command and press the ENTER key:

   Command: ____________________________________________________________
```

The syntax for the MSG command is:

```
          |  {  user-profile     }
          |  {  session-profile  }
          |  {  logged-on userid }
 MSG      |  {  dialed-to userid }   text
          |  {  cuu              }
          |  {  Gcuu             }
          |  {  Lcuu             }
```

where :

text is your one-line message.

The following chart details the parameters used in this syntax:

This parameter	Sends the message to
user-profile	all users operating a session governed by this user profile.
session-profile	all users operating a session governed by this session profile.
logged-on-userid	the userid logged on to from within the CA-VTERM session.
dialed-to-userid	the userid dialed to from within the CA-VTERM session.
cuu	the real terminal address.
Lcuu	the logical terminal address.
Gcuu	the dialed or graphic terminal address.

6.2.4 The Online Message Display Screen

To send a full-screen message, choose option 6 from the CA-VTERM Primary Menu. The Online Message Display screen is shown.

Online Message Display

```
VTRM-0600                  Online Message Display                  CA-VTERM
====>

To ID: ________
_____________________________________________________________________________
_____________________________________________________________________________
_____________________________________________________________________________
_____________________________________________________________________________
_____________________________________________________________________________
_____________________________________________________________________________
_____________________________________________________________________________
_____________________________________________________________________________
_____________________________________________________________________________
_____________________________________________________________________________
_____________________________________________________________________________
_____________________________________________________________________________
_____________________________________________________________________________
_____________________________________________________________________________
_____________________________________________________________________________
_____________________________________________________________________________
_____________________________________________________________________________
_____________________________________________________________________________

PF1=Help       2=Send        3=End          4=Return    5=          6=ComHelp
PF7=           8=            9=            10=         11=         12=Refresh
```

Enter the full screen message and send it to any ID, as defined in the chart for the MSG command.

Chapter 7. Ending The CA-VTERM Session

7.1 Terminating Logical Terminals

You can terminate a logical terminal by:

- logging off the logical terminal
- dropping the logical terminal

However, this only affects the logical terminal -- the current session is still intact.

7.2 Ending the Current Session

To end your CA-VTERM session, issue the DISPLAY MENU command sequence that was defined in your profile (or that you have redefined for the current session). The Online Session Menu is displayed on your screen.

To suspend the current session so that you may resume it again within a short time, press PF2 from the Online Session Menu.

To end the current session, press PF3 from the Online Session Menu.

Note: You cannot QUIT from the Online Terminal Command Definition screen or the Online Session Options screen. Pressing PF3 from those screens only brings you back to the previous screen.

7.3 Automatic Terminal Programs

Automatic Terminal Programs (ATPs) provide a way to send pre-defined terminal data or key sequences on a session. They are invoked in two ways. The first is to specify the ATP and any arguments in the LOGON/DIAL/ATP command area of the Online Session Terminal Command Definition (VTRM1210) panel. The second method is to type ATP ATPNAME ARGUMENTS on the command line of a CA-VTERM system screen. The ATP will be started on the current session and you will be returned to that session. This method allows non-logon type ATPs to be used in a session, or an ATP that will logoff a session can be developed.

Chapter 8. Glossary

assigned terminal. An ID permanently assigned to a session profile.

autolog. The CA-VTERM feature that automatically logs you on to the first logical terminal on your terminal list immediately after signing on to CA-VTERM.

buffer. A temporary storage area assigned to each logical terminal when initiated. The buffer contains either I/O requests or screen images.

current session. The period of time when you access the CPU through CA-VTERM, beginning when you sign on to CA-VTERM and ending when you quit or suspend the session.

duplexing. A CA-VTERM facility for running a logical session on two terminals simultaneously.

IUCV. The Inter-User Communication Vehicle, which permits two CMS userids or virtual machines to communicate with each other.

logical options. The CA-VTERM logical terminal and screen features.

logical terminal. An entity which enables you to log on to one or more userids without logging off your current userid.

logical terminal definitions. Specifications for the logical terminals which include the logical terminal

- descriptions
- order
- transfer IDs
- logon sequences
- nodes

logon/dial sequence. The sequence of entries that logs onto or dials to an ID.

physical terminal. The graphic or real device address if the terminal is attached to the CA-VTERM service machine or the virtual device address if the user entered the DIAL VTERM command.

reset. To terminate the current session.

service machine. A special CMS virtual machine which executes tasks (or runs products) from a disconnected state.

session commands. Command sequences that enable you to manipulate the current session and product screen display.

session profile. A list of entries that defines logical terminals, including logical terminal

- descriptions
- order
- transfer IDs
- logon/dial sequences
- nodes

suspend. To end a session maintaining the current session values so that the session can be resumed within a period of time (defined at installation).

system profile. A list of entries that establish the logical option and session command defaults.

terminal status area. An indicator of the userid for the current logical terminal, which is located at the lower right corner of the screen.

toggle. To move from one logical terminal to another.

transfer ID. A one-to-four character sequence that toggles you directly to a specific logical terminal.

tutoring. A CA-VTERM facility for displaying one online session on several physical terminals, simultaneously.

user profile. A list of entries indicating logical option specifications and session command sequences.

virtual machine. A simulation of a computer.

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