

CA TPX™ Session Management

User Guide

Release 5.4



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CA Technologies Product References

This document references the following CA Technologies products:

- CA TPX™ Session Management (CA TPX)
- CA STX™ (CA STX)
- CA ACF2® Security (CA ACF2)
- CA Top Secret® Security (CA Top Secret)
- CA IDMS™ Database (CA IDMS Database)
- CA IDMS™/DC Database (CA IDMS/DC Database)
- CA 7® Job Management (CA 7)
- CA Remote Console™ (CA Remote)
- CA TCPaccess™ Telnet Server (CA TCPaccess Telnet Server)
- CA Vman™ (CA Vman)

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- Information about user communities and forums
- Product and documentation downloads
- CA Support policies and guidelines
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Chapter 1: Introduction

This section contains the following topics:

[CA TPX Session Management](#) (see page 11)

[How CA TPX Works](#) (see page 11)

[User Self-Maintenance](#) (see page 13)

[Other Services](#) (see page 13)

[More Information about This Guide](#) (see page 14)

[Prerequisites](#) (see page 15)

[How to Use Online Help](#) (see page 15)

CA TPX Session Management

Your terminal is connected to a VTAM network where you have access to a number of applications. If your work requires more than one of these applications, you may have to repeatedly log off one and log on to another. This can become a time-consuming task that takes up system resources.

CA TPX Session Management (CA TPX) solves this problem by letting you access all your applications from a single menu and switch from application to application. The way this product does this depends on the version used at your site and the mode you are using.

How CA TPX Works

This product works by creating a virtual terminal for each application. A virtual terminal looks like a physical terminal to your VTAM applications. Each connection established between a virtual terminal and an application is called a *session*.

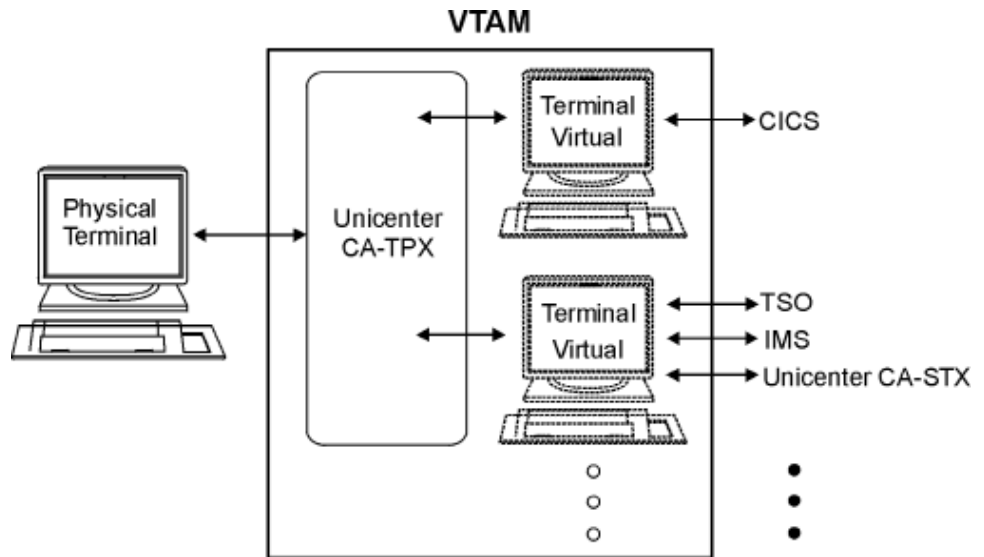
Access Modes

To meet the needs of various sites, CA TPX can run in one of three access modes, as described in the following sections.

Multiple Session Mode

In MULTIPLE mode, the product can manage several sessions concurrently, allowing you to switch back and forth among different sessions on your physical terminal. You can also sign off the product and leave your applications active.

The following figure illustrates the relationship between CA-TPX, the virtual terminals, and the applications:



Single Session Mode

In SINGLE mode, the product manages one session at a time. You can access applications sequentially by simply logging off one, returning to the TPX Menu, and selecting another. If the word SINGLE appears in the lower right corner of your Menu, you are operating with single access.

PASS Mode

In PASS mode, the product does not manage your sessions but passes control to the applications. Your physical terminal is connected to your applications directly and not through a virtual terminal.

You cannot issue commands when you are in a session using PASS mode because your terminal has no connection to the product. To issue commands, you must log off your application and return to the TPX Menu. Services that require you to be in communication with the product are not available to you at all, even from the TPX Menu.

If the word PASS appears in the lower right corner of your TPX Menu, you are operating in PASS mode.

Note: You cannot use PASS mode when using the TCPaccess Telnet Server interface.

User Self-Maintenance

You can customize some characteristics of the product by taking advantage of user self-maintenance. This facility allows you to control a number of characteristics, such as the functions assigned to various keys on your keyboard, which applications appear on your TPX Menu, or timeout periods for your sessions.

More information:

[Performing User Self-Maintenance](#) (see page 69)

Other Services

You can take advantage of a number of services besides session management and self-maintenance. These services simplify your access to applications and allow communication with other users.

Specific Services

The table below describes these services and where you can find more information about them:

Service	Description	See
Online Help	Provides help information anywhere in CA TPX.	Using Online Help (see page 15)
Key Definition	Lets you define special function keys to simplify session switching.	Change Your User Characteristics (see page 37)
Terminal Locking	Lets you lock your terminal, leaving your sessions running but inaccessible to others.	Lock and Unlock Your Terminal (see page 39)
Terminal Transfer	Lets you go to another physical terminal and continue your sessions from there.	Transfer to a Different Terminal (see page 41)
Messaging	Lets you send messages to and receive messages from other users.	Using the Mail Facility (see page 53)
Mailbox	Saves messages for users who are not signed on when the message is sent.	Using the Mail Facility (see page 53)

Service	Description	See
Screen Sending	Lets you send your screen image to another user.	Send a Screen Image (see page 41)
Screen Printing	Lets you print your screen image.	Print a Screen Image (see page 43)
Session Breakout	Lets you get out of an active session.	Break Out of a Session (see page 48)
View Facility	Lets you view another user's applications session and sometimes interact with that session; you can also record sessions.	<i>View Facility User Guide</i>
ACL/E	ACL/E is a programming language that can simplify your interaction with applications. ACL/E programs are often used to automate your logon and logoff procedures.	<i>ACL/E Programming Guide</i> . For more information about ACL/E programs at your site, see your administrator.
Advanced Data Compression	This feature enhances the efficiency of communication between your terminal and your VTAM applications.	<i>Programming Guide</i>

Note:

- Screen sending and printing, session breakout, ACL/E, and Advanced Data Compression are not available if you are using this product in PASS mode.
- Advanced Data Compression, the View facility, and the MAIL file are separately licensed features that may not be available with all options at your site.

More Information about This Guide

The remaining chapters include the following information:

- The chapter [Signing On](#) (see page 17) provides information about signing on to the product and changing your password.
- The chapter [Starting and Switching Sessions](#) (see page 21) provides information about using the information on the TPX Menu, starting sessions in various ways, and switching among active sessions.
- The chapter [Inactivating Sessions and Signing Off](#) (see page 33) provides information about inactivating your sessions and signing off.
- The chapter [Using Advanced Services](#) (see page 37) provides information about using services such as terminal locking, screen sending, and running ACL/E programs.

- The chapter [Using the Mail Facility](#) (see page 53) provides information about using the various features of the Mail facility.
- The chapter [Performing User Self-Maintenance](#) (see page 69) provides information about performing self-maintenance.

The appendices include the following information:

- The appendix [User Messages](#) (see page 91) provides a summary of User messages.
- The appendix [Command Summary](#) (see page 105) provides a summary of commands and their usage.

Prerequisites

To use this product, you must:

- Know your user ID and password.
- Know how to get to the Logo panel, which is shown in the chapter [Signing On](#) (see page 17). This screen must appear on your terminal for you to sign on to the product. It may appear automatically, or you may have to enter a command, such as one of the following

```
LOGON APPLID=TPX  
LOGON APPLID(TPX)  
TPX
```

You can get this information from the administrator who is handling your user ID.

How to Use Online Help

You can access online help from panels and within active sessions.

On a Panel

To access online help from any panel, press PF1. A help screen containing relevant information and instructions for exiting online help is displayed. If you press PF1 when you are in an input field for a panel, the help screen you see will contain information about that field.

In a Session

You can also access online help for commands in an active session using the `/H` command.

To issue this command

1. Move the cursor to an input field.
2. Type `/H`.
3. Press the command key (usually PF12 or PF24).

A screen containing a command summary and instructions for accessing more detailed information is displayed.

Chapter 2: Signing On

This section contains the following topics:

- [Sign On CA TPX](#) (see page 17)
- [Use Online Help](#) (see page 18)
- [If the TPX Menu Does Not Appear](#) (see page 18)
- [Change Your Password](#) (see page 18)
- [Pass Ticket Feature](#) (see page 19)

Sign On CA TPX

To sign on to CA TPX, you must have access to the Logo panel, shown here.

```
          .....          @@@@@@@@@@ @@@@@@@@@@ @@@@@ @@@@
          .                @ @@@ @ @ @@@ @ @ @@@ @
cccccc  aaaaaa .        @ @@@ @ @ @@@ @@@ @@@
cc . c  aa  aa .        @@@ @@@ @@@ @@@@@
cc .    aa  .          @@@ @@@ @@@ @@@@@
cc .    aaaaaaa .      @@@ @@@@@@@@@ @@@@@
cc .    aa  aa .      @@@ @@@ @@@@@
cc . c  aa  aaa .     @@@ @@@ @ @@@ REL 5.4
/BASE
cccccc  aaaa aa .     @@@ @@@ @ @@@
          .           @@@ @@@ @ @@@
          .....     @@@@@ @@@@@ @@@@ @@@@@

                          Copyright (c) 2010 CA, INC.
Userid:                    (or LOGOFF)                    08:16:05
Password:                   TERMID01                       05/15/03
New Password:                3279-2A                       SMRT51
Account:
Transfer:

                          CA TPX Session Management (TM)

PF1=Help  PF3=Logoff
```

To sign on

1. Move the cursor to the Userid field if it isn't already there.

An input field is an area on the screen in which you can enter data. You can move the cursor with the Tab or Return key. These keys move the cursor from field to field on the screen.

2. Type your user ID.

If your user ID is TPXUSR01, you would type TPXUSR01 in the Userid field as shown:

Userid: TPXUSR01

3. Move the cursor to the Password field.

If your user ID consists of eight characters, the cursor will have automatically advanced to the Password field. Otherwise, you must advance it by pressing the forward Tab key or by pressing the Return key.

4. Type your password.

When you type your password, it does not appear on the screen for security reasons.

5. Press Enter.

Pressing Enter transmits the contents of the Userid and Password fields to the product. Then, the TPX Menu (shown in the next chapter) is displayed.

Use Online Help

Press PF1 to display help information at the top and bottom of any panel. This information remains on the screen until you exit the panel or press PF1 again.

If the TPX Menu Does Not Appear

If you make a mistake when you enter your user ID and password, one of the following messages may appear on the Logo panel:

```
THE USERID ENTERED IS NOT AUTHORIZED TO USE TPX. PLEASE CONTACT  
YOUR TPX SECURITY ADMINISTRATOR.  
PASSWORD OMITTED OR IS NOT CORRECT. TRY AGAIN OR HIT 'CLEAR'  
TO CANCEL
```

To correct the user ID or password, move the cursor back to the Userid or Password field. Retype your user ID or password, and press Enter. If you still cannot get into CA TPX, contact your administrator to make sure you are using the correct user ID and password.

Change Your Password

The first time you sign on to the product, you use a password someone else gives you. Changing your password ensures that you are the only person who knows it. You can change your password any time you sign on to CA TPX.

You must change your password if the following message appears on the Logo panel after you sign on:

SECURITY REQUIRES YOU TO ENTER A NEW PASSWORD

To change your password

1. Type your currently valid password in the Password field.
2. Tab to the New Password field.
3. Type a new password in the New Password field.

Your password can contain no more than eight characters.

4. Press Enter.

The software responds by prompting you to re-enter the new password. The cursor is automatically placed in the New Password field.

5. Retype your new password in the New Password field.
6. Press Enter.

The software responds by recording your new password and displaying the TPX Menu.

Pass Ticket Feature

A pass ticket is a one-time only password substitute that is automatically generated by an authentication server, such as the IBM Network Security Program or the CA Single Signon Option, on behalf of a client workstation requesting access to a mainframe application like CA TPX. After a user is signed on, pass tickets can also be generated for applications subsequently accessed through this product. The use of pass tickets with the product requires you to complete administrative maintenance.

Benefits of Pass Ticket

The Pass Ticket feature has the following benefits:

- It eliminates the need for users to manually type their password on the TPX logon screen.
- For users of the product, it eliminates the transmittal of the same password in clear text across networks.
- It provides application security, because a pass ticket is a one-time only password with a limited life span.

Note: For details on activating this feature, see the chapter on special features in the *Programming Guide*.

Chapter 3: Starting and Switching Sessions

This section contains the following topics:

[TPX Menu](#) (see page 21)

[Start a Session from the TPX Menu](#) (see page 23)

[Start a Session with a Command](#) (see page 24)

[Start a Session with a PF Key](#) (see page 28)

[Start Another Session from an Active Session](#) (see page 28)

[Switch Among Active Sessions](#) (see page 30)

[Return to TPX Menu from an Active Session](#) (see page 31)

TPX Menu

After you sign on to CA TPX, the TPX Menu is displayed. From this menu (shown in the next section), you can start or "activate" one or more sessions and issue commands. A *session* is a connection between a virtual terminal and a VTAM application. By using virtual terminals, the product can run a number of active sessions concurrently.

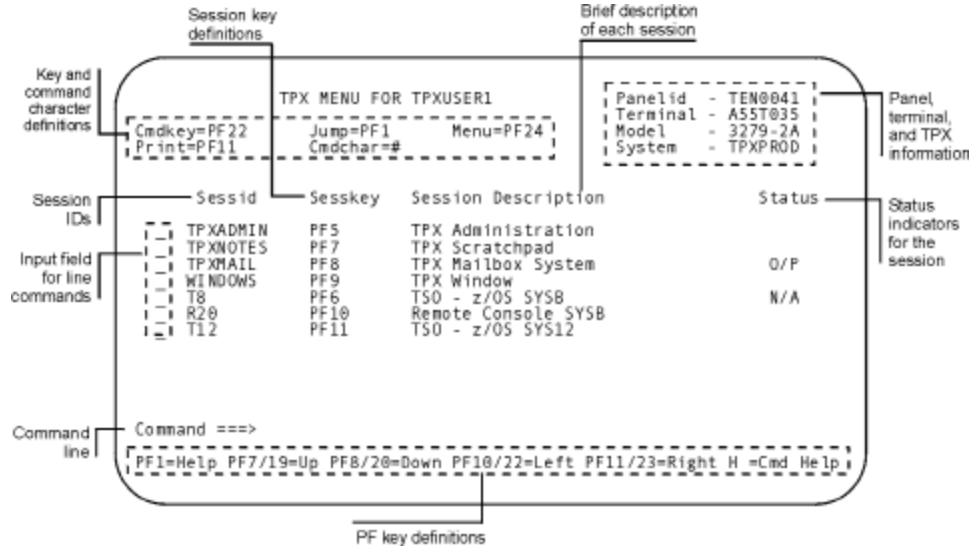
In most cases, when you start a session, your terminal is automatically switched to that session. This means that the first screen of that session appears on your terminal, as it would if you were not using the product. Any other active sessions remain active, even though they are not displayed on your screen.

When you start a session, any logon ACL/E program for that session is automatically started. Your administrator has information about the ACL/E programs at your site. An ACL/E program might automatically log you on to the application and issue commands in the session. ACL/E programs might also automatically start sessions when you sign on to the product.

This chapter describes the different ways to start sessions and how to switch from session to session.

TPX Menu Screen

You receive this screen after you sign on to CA TPX:



Status Indicators on the TPX Menu

The TPX Menu includes a variety of information about current key definitions and your sessions. The menu can also display status indicators about the current status of your sessions. These status indicators and their possible values are:

N/A

Indicates Application not available.

O/P

Indicates Application output is pending (output has been sent from the application since you were last in the session.)

PASS

Indicates Application session is in PASS mode; application has control of the session.

ACT

Indicates Application session is active. This indicator appears only if your administrator has specified that your terminal does not support highlighting. Otherwise, active sessions are highlighted in the TPX Menu.

ACL

Indicates an ACL/E program is running in the session.

Q/S

Indicates Application is quiesced. Users cannot start sessions with it.

PTIX

Indicates a pass ticket is generated for this application at session initiation.

Start a Session from the TPX Menu

To start a session from the TPX Menu

1. Move the cursor to the field at the left of the session you want to activate.
2. Press Enter.

CA TPX activates the session and switches you to it. Any other active sessions remain active.

Example

The following screen shows a TPX Menu in which the user has moved the cursor (represented by a bullet) to the field in front of session T8:

Sessid	Sesskey	Session Description	Status
- TPXADMIN	PF5	TPX Administration	
- TPXNOTES	PF7	TPX Scratchpad	
- TPXMAIL	PF8	TPX Mailbox System	
- WINDOWS	PF9	TPX Windows	
• T8	PF6	TS0/E – z/OS SYS8	
- R20	PF10	CA-Remote Console SYS8	
- T12	PF11	TS0/E – SYS12	

Pressing Enter with the cursor in this position causes the product to activate the session T8 and display the first screen of that session.

Use Online Help

Press PF1 to display help information at the top and bottom of any panel. This information remains on the screen until you exit the panel or press PF1 again.

Start a Session with a Command

The product offers a number of commands you can use to start sessions, as described in the following table. For more information on commands, see the appendix [Command Summary](#) (see page 105).

/sessID

Activates the specified session.

/A

Activates idle sessions normally activated automatically at sign-on. You can only issue this command from the TPX Menu. You can also issue it as a line command.

/A sessID

Activates the specified session.

/A ALL

Activates all of your sessions.

/A applid

Adds the specified application session to your menu, activates the session and switches you to it. (Use of this command can be restricted; contact your administrator).

/G

Activates any inactive sessions that are normally activated automatically when you sign on. Startup ACL/E programs are ignored. You can only issue this command from the TPX Menu.

/G ALL

Activates all your sessions, ignoring any startup ACL/E programs. The product switches you to the first session listed on your TPX Menu. You can only issue this command from the TPX Menu.

/G sessID

Activates the specified session, ignoring any startup ACL/E program. You can only issue this command from the TPX Menu.

/N sessID

Activates the specified session in PASS mode.

/N applid

Adds the specified application to your menu and activates the session in PASS mode.

Where to Issue CA TPX Commands

You can issue commands from the following locations:

- From the command line of the TPX Menu and other panels except for:
 - The Temporary Override panel
 - The Session Override panel
 - The Terminal Locked panel
 - The Screen Image Queued panel
 - The Message Received panel
- In an active session from an input field or command line (except for the /A, /G, or /N command).
- At the TPX Menu from the input field in front of the session ID. (This is called a line command.)

How to Issue Commands

Issuing a command depends on where you issue it. You can issue commands from the following options:

- TPX Command Line
- A Session

More information:

[Issue Command from TPX Command Line](#) (see page 25)

[Issue Command from a Session](#) (see page 26)

Issue Command from TPX Command Line

If you issue the command at a TPX command line, type the command and press Enter.

Issue Command from a Session

If you issue the command from an active session, you must use the command character and the command key. The product uses the command character and the command key to recognize commands when they are issued in a session and not from a command line. The default command character is the slash (/), and the default command keys are PF12 and PF24. The commands have the following format when issued in an active session:

```
cmd-char command-operands <cmd-key>
```

where cmd-char is the command character and <cmd-key> is pressing the command key.

For example, assume the command character is a slash (/) and the command key is defined as PF12. You want to start session T8 while you are in an active session. Move the cursor to an input field, type the following, and then press PF12:

```
/T8
```

CA TPX activates T8 and switches you to it.

Important! For a command issued with the command character to be processed correctly, you should not move the cursor after you type the command. At the time you press the command key, the cursor must be in the next logical position after the command. For example, you type /T8 and then press PF12. If you type /T8 and then press the space bar before pressing PF12, the command will be sent to the application you are in session with rather than being processed as a CA TPX command.

To issue the command as a line command on the TPX Menu, move the cursor to the input field in front of the session ID that you want the command to act on. Type the letter of the command, without any operands, and the software executes the command on the selected session. For example, to activate the session T8 and skip any ACL/E logon program for the session, you would type G in the input field in front of T8. The product responds by activating T8 and switching you to it.

Command Characters and Command Keys

The command character and command key definitions for your user ID are displayed at the top of the TPX Menu, as shown in the following screen. These settings might be different at your site.

TPX MENU FOR TPXUSER1			Panelid - TEN0041
Cmdkey=PF12/24	Jump=PA2	Menu=PA1	Terminal - DXAP59B
Print=PF14	Cmdchar= /		Model - 3290 - 2A
			System - TPXPROD

Note: Examples in this guide use the slash as the command character and PF12 or PF24 as the command key.

Example

An easy way to start a session is to type the session ID at the command line

To start a session

1. Move the cursor to a command line.
2. Type the session ID of the session you want to activate. In the following example, the session ID is T8:

Command ==> T8 PF1=Help PF7/19=Up PF8/20=Down PF10/22=Left PF11/23=Right H =Cmd Help

3. Press Enter.

The product activates the specified session and switches you to it.

Start a Session Without Starting an ACL/E Program

To start a session without starting the associated ACL/E program

1. Move the cursor to the command line.
2. Type the following command:

```
/G sessID
```

The sessID specifies the session that you want to activate. The command character (/) is optional at the TPX Menu.

3. Press Enter. The product activates the session and switches you to it, skipping any ACL/E logon program.

Example

To start the session T8 in PASS mode, type /N T8 at the command line as shown:

```
Command ==> /N T8
PF1=Help PF7/19=Up PF8/20=Down PF10/22=Left PF11/23=Right H =Cmd Help
```

Pressing Enter now causes the product to display the first screen of T8.

Start a Session with a PF Key

You can assign a PF key to a specific session ID. A key defined in this way is called a *sesskey*. The current sesskey definitions are shown on the TPX Menu in the Sesskey column. In the sample TPX Menu in the following screen, the session R20 has the sesskey PF10.

To start a session, press its sesskey.

The product activates the session and switches you to it, replacing the TPX Menu with the session's top-level screen.

Example

The TPX Menu displays the list shown in the following screen:

Sessid	Sesskey	Session Description	Status
TPXADMIN	PF5	TPX Administration	
TPXNOTES	PF7	TPX Scratchpad	
TPXMAIL	PF8	TPX Mailbox System	
WINDOWS	PF9	TPX Windows	
T8	PF6	TS0/E – z/OS SYS8	
R20	PF10	CA-Remote Console SYS8	
T12	PF11	TS0/E – SYS12	

PF10 is the sesskey for session R20. To activate and switch to R20, press PF10.

Start Another Session from an Active Session

To start a session from an active session without returning to the TPX Menu, either issue the */sessID* command, or type a slash (/) and then press the sesskey.

Using the Sesskey

To start a session with a sesskey

1. Use the Tab or Return key to move the cursor to any input field within your current session.
2. Type the command character, which is typically a slash (/).
3. Press the sesskey for the session you want to start.

The product activates the session and switches you to it.

When the software switches to a newly activated session, any ACL/E logon program for that session is started. Your administrator has information about ACL/E programs at your site.

Using the /sessID Command

To use the /sessID command

1. Use the Tab or Return key to move the cursor to any input field within your current session.
2. Type the following:

```
/sessID
```

```
sessID
```

Specifies the session that you want to start.

3. Press the command key (typically PF12 or PF24).

The product activates the session and switches you to it.

This command can be issued in this manner at any time while you are signed on to the product unless you are operating in PASS mode.

Note: Issuing commands within a session does not affect that session in any way. The characters you type to issue the command (such as /TSO4) are not taken as input to the application, and any characters you type over when issuing the command are preserved.

Example

Assume that the current application has a prompt at the bottom of the screen, as shown:

```
===>
```

To start session T8 without returning to the TPX Menu, type /T8 at the application's prompt, as shown:

```
==> /T8
```

Pressing the command key (typically PF12) now causes CA TPX to start session T8 and switch you to it.

Switch Among Active Sessions

After you have established two or more active sessions, you can switch among them without logging off one application to get to another. The active sessions are highlighted on the TPX Menu.

To switch among sessions active sessions

- Use commands, issued from the TPX Menu or in an active session.
- Use the cursor to select a session on the TPX Menu.
- Use sesskeys, entered from the TPX Menu or in an active session.
- Use the jump key, entered from the TPX Menu or in an active session. The jump key has been defined to switch you between active sessions. The jump key definition for your user ID is shown at the top of the TPX Menu. In the sample TPX Menu shown in the following screen, the jump key is PA2.

TPX MENU FOR TPXUSER1			Panelid - TEN0041
Cmdkey=PF12/24	Jump=PA2	Menu=PA1	Terminal - DXAP59B
Print=PF14	Cmdchar= /		Model - 3290-2A
			System - TPX30PRD

You press the jump key when you want to switch sessions.

Note: If you press the jump key twice while there is only one active session, the jump key is sent to the application. If you press the menu key and then you press the jump key, the jump key is sent to the application.

You do not need to use the command character. The product switches you to the next active session on the session list shown on the TPX Menu.

Note: If you try to switch to a session that has an ACL/E program running in it, you might not be immediately transferred to the session. The product can display a blank screen and eventually pass control to you. Check the TPX Menu to see if the session has the ACL status indicator.

Return to TPX Menu from an Active Session

To return to the TPX Menu, use the menu key or the /W command.

Use the Menu Key

The menu key definition for your user ID is shown at the top of the TPX Menu. In the sample TPX Menu shown in the following screen, the menu key is defined as PA1.

TPX MENU FOR TPXUSER1			Panelid - TEN0041
Cmdkey=PF12/24	Jump=PA2	Menu=PA1	Terminal - DXAP59B
Print=PF14	Cmdchar= /		Model - 3290-2A
			System - TPXPROD

After you press the menu key, the TPX Menu is displayed. Your session is still active, and any program running in it continues running. Any active sessions are highlighted on the TPX Menu.

If no menu key is defined for your user ID, you can define one either temporarily or permanently.

- **Temporarily.** Use the /E command, described in [Changing Your User Characteristics](#) in the chapter [Using Advanced Services](#) (see page 37).
- **Permanently.** Use User Self-Maintenance, described in the chapter [Performing User Self-Maintenance](#) (see page 69).

If the Clear key is defined as your menu key, you should always press Enter before pressing Clear. This saves any recent changes on the screen. If you do not press Enter first, you may lose those changes.

You can still use the Clear key's original function (for example, to clear an application screen) by pressing the Clear key twice. The first time you press it, the TPX Menu is displayed; pressing it again returns you to your current application and carries out the Clear function.

Use the /W Command

You can issue /W command to return to the TPX Menu.

To issue the /W command

1. Use the Tab or Return key to move the cursor to an input field on the application screen.
2. Type /W.
3. Press the command key. The default command keys are PF12 and PF24.

The TPX Menu is displayed.

Chapter 4: Inactivating Sessions and Signing Off

This section contains the following topics:

[Inactivate Sessions](#) (see page 33)

[Sign Off with Active Sessions](#) (see page 34)

[Sign Off and Inactivate Your Sessions](#) (see page 35)

Inactivate Sessions

After activated, your sessions will run until:

- You inactivate them.
- The operator halts CA TPX.
- The sessions time out. Session time-out periods are determined by the values specified in your user options. For information on setting these value, see the chapter [Performing User Self-Maintenance](#) (see page 69).

You can sign off the product at the same time that you inactivate your sessions, or you can sign off and leave your sessions active (as described in [Signing Off with Active Sessions](#) in this chapter).

Commands Used to Inactivate Session

You can inactivate a session either by logging off the application as you normally would or by issuing one of the following commands:

/I

Inactivates the session you are currently in and displays the TPX Menu.

/I sessID

Inactivates the specified session and displays the TPX Menu.

/I ALL

Inactivates all your currently active sessions and displays the TPX Menu.

/F

Signs you off the software and displays the Logo panel. It also inactivates all your currently active sessions if the "Inactivate on" field of your User Options panel is set to F.

/K

Signs you off the software and logs your terminal off. It also inactivates all currently active sessions if the "Inactivate on" field of your User Options panel is set to K or F.

The /I command does not provide a "clean" termination of your session unless there is an ACL/E termination program for that session. If no program exists you might lose data when you issue the /I command.

Session time-out periods are determined by the values specified in your user options. For information on setting these values, see the chapter [Performing User Self-Maintenance](#) (see page 69).

Where to Issue Commands

The commands can be issued from the command line, as line commands on the TPX Menu, or within a session, as described in the appendix [Command Summary](#) (see page 105).

Example

If you want to inactivate all your sessions while you are inside a session, issue the /I ALL command at your application's prompt as shown:

```
====> /I ALL
```

Pressing the command key (usually PF12) now inactivates all your sessions and displays the TPX Menu.

Sign Off with Active Sessions

You can leave the product without inactivating your sessions by locking your terminal or by using the /F command.

Note: If the administrator has set an option to disallow you from signing off with active sessions, you will receive a message. In this case, you must inactivate your sessions before signing off.

Locking Your Terminal

Locking your terminal is described in Locking and Unlocking Your Terminal in the chapter [Using Advanced Services](#) (see page 37).

/F Command

The /F command, which signs you off the product, will not interrupt your sessions if the "Inactivate on" field of your User Options panel is set to K or is blank. If this field is set to F, the /F command will inactivate your sessions in addition to signing you off the product.

Sign Off and Inactivate Your Sessions

You can use the /F and /K commands to inactivate your sessions at the time you sign off the product

Command Functions

The functions of the /F and /K commands are

/F

Signs you off the product.

If the "Inactivate on" field of your User Options panel is set to F, it also inactivates your sessions.

/K

Signs and logs you off the product.

If the "Inactivate on" field of your User Options panel is set to either F or K, it also inactivates your sessions.

(Your administrator may restrict your use of this command.)

Chapter 5: Using Advanced Services

Now that you are familiar with how CA TPX functions and how to run sessions, you can go on to use other, more advanced services. This chapter describes how to use these services.

This section contains the following topics:

[Change Your User Characteristics](#) (see page 37)

[Change Your Application Characteristics](#) (see page 38)

[Lock and Unlock Your Terminal](#) (see page 39)

[Transfer Sessions to a Different Terminal](#) (see page 41)

[Send a Screen Image](#) (see page 41)

[Print a Screen Image](#) (see page 43)

[Display Session Statistics](#) (see page 47)

[Break Out of a Session](#) (see page 48)

[ACL/E Programs](#) (see page 49)

[Interrupt ACL/E Programs](#) (see page 50)

[Use TPX Notepad Facility](#) (see page 51)

Change Your User Characteristics

You can establish temporary definitions for your keys and other user characteristics by issuing the /E command. Your administrator may limit which characteristics you can change with this command. (You can make permanent changes through self-maintenance. For more information, see the chapter [Performing User Self-Maintenance](#) (see page 69).)

To establish temporary user characteristics

1. Issue the /E command from the command line from the TPX main menu panel (TEN0041).

The User Temporary Overrides panel is displayed:

```

                                User Temporary Overrides
Command ==>
Language:      EN
Menu Key:     PF4
Jump Key:     NONE
Print Key:    NONE
Command Char: /
Command Key:  PF12/24
Security:     TPX
Invisible:    N
Do Not Disturb:N
Do Not View:  N
Panelid - TEN0049
Userid - TPXUSER1
Termid - DXCPP34
Date - 01/07/03
Time - 16:27:07
```

2. Move the cursor to the field you want to change, using the Tab or Return key.
3. Type the new value for the field over the old value, or press the EOF key to erase the contents of the field and then type the new value.
4. Press PF3.

The software establishes the values you specified and returns you to the TPX main menu panel (TEN0041). The temporary definitions remain valid until you sign off the product.

Use Online Help

Press PF1 to display help information at the top and bottom of any panel. This information remains on the screen until you exit the panel or press PF1 again.

Change Your Application Characteristics

You can establish temporary values for your application characteristics by issuing the /E command as a line command on the TPX Menu. Your administrator may limit which characteristics you can change with this command. (You can make permanent changes through self-maintenance. For more information, see the chapter [Performing User Self-Maintenance](#) (see page 69).)

To define temporary application characteristics

1. Go to the TPX Menu.

(For instructions, see Returning to the TPX Menu from an Active Session in the chapter [Starting and Switching Sessions](#) (see page 21).)

2. Use the Tab or Return key to move the cursor to the application whose characteristics you want to change.
3. Type E. In the following example, the session T8 has been selected.

Sessid	Sesskey	Session Description	Status
- TPXADMIN	PF5	TPX Administration	
- TPXNOTES	PF7	TPX Scratchpad	
- TPXMAIL	PF8	TPX Mailbox System	
- WINDOWS	PF9	TPX Windows	
E T8	PF6	TSO/E – z/OS SYS8	
- R20	PF10	CA-Remote Console SYS8	
- T12	PF11	TSO/E – SYS12	

4. Press Enter.

The Session Temporary Overrides panel is displayed:

Session Temporary Overrides		Panelid - TEN0043
Command ==>		Userid - TPXUSR01
Session:	TPXUSR01	Termid - DXCPP34
Applid:	TSO/E – z/OS SYS8	Date - 01/07/03
Description:	TPX Administration	Time - 16:27:09
Session key:	PF	
Modent name:		
Session Data:	-----	
Output Option:	-----	

5. Move the cursor to a field you want to change using the Tab or Return key.
6. Type the new value for the field over the old value, or press the EOF key to erase the contents of the field and then type the new value.
7. Press PF3.

The software establishes the values you specified and returns you to the TPX Menu. The temporary definitions remain valid until you sign off.

Lock and Unlock Your Terminal

If you want to leave your terminal, but do not want to sign off, and do not want anyone else using your terminal while you're gone, you can use the lock feature.

To lock your terminal, issue the /L command from the command line of a TPX panel or from within an active session.

One of the following messages is displayed. For further information on these messages, see [Other User Messages](#) (see page 96).

Terminal Locked Message

If you have a CA TPX password, the following screen is displayed. The lock word is your password.

```
*****
*
* MSGID: TEN0023
*
* CAUSE: TERMINAL LOCKED
*
* TO PROCEED, ENTER THE LOCK WORD
*
* ==>
*
*****
```

Terminal Lock Request

If you do not have a password or you have a password phrase, the following screen is displayed. In this case, enter a lock word of your choosing at the prompt and press Enter. Remember the lock word so you can use it to unlock your terminal. The lock word can consist of up to eight characters.

```
*****
*
* MSGID: TEN0023
*
* CAUSE: TERMINAL LOCK REQUEST -- ENTER LOCKWORD
*
* TO PROCEED, ENTER THE LOCK WORD
*
* ==>
*
*****
```

Unlock Your Terminal

You can unlock your terminal by doing one of the following:

- Typing the lock word at the command line of the Terminal Locked message panel and pressing Enter. The screen from which you issued the /L command is displayed.

- Signing on to your user ID at another terminal while your original terminal is locked. The software unlocks the terminal and displays the Logo panel.
- Having your administrator unlock your terminal.

Transfer Sessions to a Different Terminal

You may be able to move to a different terminal while you are still signed on and take control of your sessions at the new location. This transfer can take place only if:

- You are authorized to perform a transfer.
- The terminals involved are compatible models.
- The new terminal can access all of your sessions without violating any security rules.

To transfer sessions from another terminal

1. Go to a different terminal.
2. Display the Logo panel.
Note: You may have to issue the `/F` command to sign the terminal off the product and display the Logo panel.
3. Sign on to the product as you normally would.

The software signs you on to your user ID on this terminal. Your original terminal displays the Logo panel when you finish signing on at the new one. All your active sessions are still active.

Note: This procedure overrides any terminal lock request that might have been in effect at the first terminal (see Locking and Unlocking Your Terminal in this chapter).

Send a Screen Image

You can send the current screen image from any of your virtual terminal sessions to another user's terminal with the `/Q` command. This is useful, for example, if you want a co-worker or "help desk" attendant to see what's on your screen.

To send a current screen from one of your sessions to another user's terminal, issue one of the following `/Q` commands:

`/Q userid`

Sends the screen from your current session to the user specified by *userid*.

/Q sessid userid

Sends the screen from the session specified by *sessid* to the user specified by *userid*.

Message that Recipient Sees

The following message will be displayed on the receiver's terminal the next time that user presses Enter.

```

                                     TPX Message
Command ==>
                                     Panelid - TEN0019
                                     Userid  - USER001
                                     Termid  - A01NAB32
                                     Date    - 06/25/03
                                     Time    - 17:06:16
To:   userid
From: userid
At:   17:06:16
On:   06/25/03
Message:
Screen Image queued from session TS044
```

Message that Sender Sees

The following panel is displayed on your terminal to confirm that the screen was sent. For more information on this and other TENxxxx messages, see [Other User Messages](#) (see page 96).

```

*****
*
*      MSGID: TEN0042
*
*      Screen queued to userid
*
*      TO PROCEED,
*
*              HIT ENTER - TO GET RECONNECTED
*
*
*
*
*
*****
```

Invalid Destination Message

If you specified an incorrect user ID, the following message is displayed on the screen. For more information on this and other TENxxxx messages, see [Other User Messages](#) (see page 96).

```

*****
*                                     *
*      MSGID: TEN0042                 *
*                                     *
*      userid   - is an invalid destination *
*                                     *
*      TO PROCEED,                     *
*                                     *
*           HIT ENTER - TO GET RECONNECTED *
*                                     *
*                                     *
*                                     *
*                                     *
*                                     *
*****

```

Print a Screen Image

You can print a current screen image from any of your active sessions. To do so, issue one of the following /P commands:

/P

Prints the screen from your current session to the default printer.

/P sessid

Prints the screen from the specified session to the default printer.

/P LOG

Writes the screen from your current session to the Log.

/P prtrid

Prints the screen from your current session to a printer. The prtrid specifies a network-attached printer, a mnemonic printer name defined in the print destination table, or a JES sysout destination.

/P sessid prtrid (class)

Prints the screen from a specified session to a printer. The sessid specifies the session whose screen is to be printed. The prtrid specifies a network-attached printer, a mnemonic printer name defined in the print destination table, or a JES sysout destination. You can specify an optional print class.

/P sessid LOG

Prints the current screen image from a specified session to the Log. The sessid specifies the session whose screen is to be printed.

/P sessid FILE

Allocates a data set whose name is in the form userid.tpxjobname.TPXPRINT.Dyyddd.Thhmmssd, and prints the current screen image from a specified session to it.

/P FILE

Writes the screen from your current session to a data set. The data set name is: userid.tpxjobname.TPXPRINT.Dyyddd.Thhmmssd where userid is the TPX userid. If available, termid is the TPX terminal ID. If unable to determine the userid, jobname is either the z/OS batch job name or STC name.

The screen is sent to either the specified printer or the Log.

When using the print screen feature, any of the following messages can be displayed. For further information on these messages, see [Other User Messages](#) (see page 96).

Invalid User/Application Message

If you specify an incorrect session ID, such as the session ID of an inactive session, the software displays the following message:

```
*****
*
*      MSGID: TEN0042
*
*      sessid   - is an invalid user/application
*
*      TO PROCEED,
*
*              HIT ENTER - TO GET RECONNECTED
*
*
*
*****
```

Printer Request Queued Message

The software displays one or more of the messages on the following pages to indicate the status of your print job.

```
*****
*                                     *
*      MSGID: TEN0080                 *
*                                     *
*      TPX SCREEN PRINT FACILITY:     *
*                                     *
*      PRINT REQUEST HAS BEEN QUEUED  *
*                                     *
*      PRINTER NAME: prtrid         *
*                                     *
*      PRESS ENTER TO RETURN ==>     *
*                                     *
*****
```

Confirmation Message of Print Start

The software displays the following message to indicate that your screen print has started.

```
*****
*                                     *
*      MSGID: TEN0080                 *
*                                     *
*      TPX SCREEN PRINT FACILITY:     *
*                                     *
*      PRINT REQUEST STARTED          *
*      PRINTER NAME: prtrid         *
*                                     *
*      PRESS ENTER TO RETURN ==>     *
*                                     *
*****
```

Confirmation Message of Print Completion

The software displays the following message to indicate that your screen print has completed.

```
*****
*
*          MSGID: TEN0080
*
*          TPX SCREEN PRINT FACILITY:
*
*          PRINT REQUEST COMPLETED SUCCESSFULLY
*          PRINTER NAME: prtrid
*
*          PRESS ENTER TO RETURN ==>
*
*****
```

Confirmation Message of Print Queue

The software displays the following message to indicate that your screen print is in the print queue.

```
*****
*
*          MSGID: TEN0055
*
*          TPX SCREEN PRINT-DESTINATION: LOCAL
*
*          TO PROCEED, EITHER -
*
*          HIT ENTER - TO GET RECONNECTED
*
*
*          ==>
*
*****
```

Confirmation Message of Print to Data Set

The software displays the following message to indicate that your screen print has been written to a data set.

```
*****
*
* PANEL: TEN0055
*
* TPX SCREEN PRINT-DESTINATION: FILE
* userid.tpxjobname.TPXPRINT.Dyyddd.Thhmmssd
*
* TO PROCEED,
*
* HIT ENTER - TO GET RECONNECTED
*
*
*
*
*****
```

Display Session Statistics

To display information about your virtual terminal sessions

1. Go to the TPX Menu.
2. Press PF11 to scroll to the right.

The Session Statistics panel is displayed, as shown here:

```

TPX MENU FOR TPXADMIN
Cmdkey=PF12/24  Jump=NONE  Menu=PF4  Panelid - TEN0010
Print=PF14      Cmdchar=/   Terminal - TPXPUN05
                                         Model - 3278-2
                                         System - TPX20QA3

  Sessid  Vterm    Applid   Connect Time
- TPXADMIN
- TPXNOTES  *INTRNAL TPXNOTES  0:00:02
- TPXMAIL   TPXMAIL
- WINDOWS  TPXWINDW
- T8        TPX24RT3 TS003256  0:00:11
- R20
- T12      TS0093847

Command ==>
PF1=Help  PF7/19=Up  PF8/20=Down  PF10/22=Left  PF11/23=Right  H =Cmd Help
```

Column Headers

The Session Statistics panel contains four columns of session statistics for each virtual terminal session:

Sessid

Specifies the session ID for the application session. The cursor is automatically placed next to the *sessid* of the session you last worked in.

Vterm

Specifies the VTAM virtual terminal for the active application sessions.

Applid

Specifies the name of the application running in the session. If the application is an internal CA TPX application, the applid has TPX as a prefix.

Connect Time

Specifies the amount of time that you have been connected to the session. The connect time is displayed for active sessions only.

Status Indicators

In addition to these four columns of information, you occasionally may see a status indicator to the right of the Connect Time column. The following table lists the status indicators and their meanings. For more information, see your administrator.

Status Indicator	Meaning
APPL INACT.	Not active on your system
APPL NLOGON:	Not accepting logons
TEMP. STOP	Temporarily stopped
APPL QUIESCE	Requested VTAM to place it in a quiesced state
DEACTIVATED	Deactivated
APPL UNDEF.	Not defined to VTAM

Break Out of a Session

When you are working in a session, a situation might occur in which you want to leave that session but cannot because a routine is running or an error has occurred, and the application will not accept input.

In such a situation you can **break out** of the session. Breaking out of a session allows you to issue commands without disrupting the application running in the session.

Note: If you break out of a session where a long-running application is executing, you will encounter one of two situations when you try to switch back:

- The application will have finished, and the results will be waiting for you.
- The application will not have finished, and the session still will not accept input.

SNA or non-SNA

How you break out of a session depends on whether you have an SNA or non-SNA terminal.

- If B appears in the lower-left corner of your screen, you have an SNA terminal.
- If A appears in the lower-left corner of your screen, you have a non-SNA terminal.
- If neither A nor B appears in the lower-left corner of your screen, ask your administrator what kind of terminal you have.

To break out of a session on an SNA terminal

Press the Attn key either once or twice in one second. The TPX Menu is displayed.

To break out of a session on a non-SNA terminal

Press the Reset key. You can then issue a command.

ACL/E Programs

If configured to do so, the product can execute programs containing ACL/E commands. ACL/E programs can automatically perform actions in CA TPX and in your sessions, such as logging you on or off, or a more complicated task, such as copying information from one application to another.

Logon and termination programs log you on or off sessions and can be set up to execute automatically when you sign on to the product or inactivate a session. Your administrator determines the setup of these programs.

Other programs that perform various tasks may be available at your site. For information, see your administrator.

Use the /S Command

To execute an ACL/E program, issue the following command:

```
/S sessid program data
```

The operands in this command have the following meanings:

sessid

Specifies the session you want the program to execute in. This is an optional operand. If you do not specify a session, the program executes in the current session.

program

Specifies the program you want to execute.

data

Specifies data required by the program. The data should not be in quotes. Use this operand only if the program requires data.

Note: For information on writing an ACL/E program, see the *ACL/E Programming Guide*.

Interrupt ACL/E Programs

You can interrupt the execution of an ACL/E program. This is helpful if you are in a session that has halted because of a problem in a program.

To interrupt the ACL/E program

1. Break out of your session and return to the TPX Menu. (For more information, see *Breaking Out of a Session* in this chapter.)
2. Issue the /V command in one of the following ways:
 - Type the following /V at the command line:

```
/V sessid
```

If you are issuing the /V command from within a session and want to interrupt a program running in it, omit the *sessid*.
Then, press the command key.
 - If you are at the TPX Menu, move the cursor to the session the ACL/E program is running in. Then, type V and press Enter.

How CA TPX Responds

If the session you specify has an ACL/E program executing in it, the software interrupts the program.

If the session you specify does not have an ACL/E program executing in it, the following error message is displayed. Press Enter to continue or re-enter the /V command for a different session. For further information on this message, see [Other User Messages](#) (see page 96).

```

*****
*
*      MSGID: TEN0088
*
*      CAUSE: sessid ACL NOT ACTIVE
*
*      TO PROCEED, EITHER -
*
*          1. HIT ENTER - TO GET RECONNECTED
*          2. ENTER A COMMAND
*
*          ==> _
*
*****

```

Use TPX Notepad Facility

To start a TPX Notepad Facility (TPXNOTES) session and save information in a NOTES file

1. Start the TPXNOTES session as you would any other session. The Notepad Facility panel is displayed:

```

TPX Notepad Facility
Command ==>
Panelid - TEN0060
Userid   - TPXUSR01
Termid   - KYFRC34
Date     - 04/17/03

```

2. Move the cursor down from the command line and enter text, as follows:

```

TPX Notepad Facility
Command ==>
You can enter the text of your note here.
Panelid - TEN0060
Userid   - TPXUSR01
Termid   - KYFRC34
Date     - 04/17/03

```

3. Issue the Notepad Facility commands described in the following table at the command line of the Notepad panel:

SAVE

Stores the contents of the Notepad Facility screen in the NOTES file without leaving the Notepad session.

CLEAR

Clears the Notepad Facility screen and erases the contents of the NOTES file, without leaving the Notepad session.

END/PF3

Stores the contents of the Notepad Facility screen in the NOTES file, and then ends the current Notepad session for this user.

CANCEL

Cancels any changes you made to the Notepad Facility screen and redisplay the last saved version of the NOTES file.

End Notes Session

To end the TPXNOTES session and return to the screen from which you activated it, press PF3.

Chapter 6: Using the Mail Facility

This section contains the following topics:

[Overview](#) (see page 53)

[Access the Mail Facility Features](#) (see page 54)

[Use of Mail Menu Options](#) (see page 56)

[Read Messages and Bulletins in Your Mailbox](#) (see page 57)

[Send or Store Messages](#) (see page 58)

[How to Edit Userlists](#) (see page 63)

[Send Application News](#) (see page 67)

Overview

This chapter describes how to use the Mail facility, which allows CA TPX users to send messages to other users. Typically, these messages appear on the user's terminal when the user presses an AID key. If your site is authorized for the MAIL file, you can also send messages directly to users' mailboxes, so that users can review the message the next time they check their mailbox. You can also maintain userlists to easily send messages to specific groups of users.

With the mail facility, you can specify message recipients not only by user IDs, but through a wide variety of methods, such as users of a specific application, or terminal, or session, and so on.

Command Authorization

The administrator can control which features of the mail facility you can select. When you display the Mail Menu panel, if an option is not highlighted, you are not allowed to use it.

Userlists

You can, if authorized, create and maintain userlists in the mail facility. By creating your own personal userlists, or using public userlists, you can send a single message to a group of users simultaneously.

The userlists can contain not only lists of user IDs, but also lists of terminal IDs, application names, or any other type of identifier that can be used to specify mail recipients. This allows you to easily send messages to specific groups of users.

The Do Not Disturb Feature

The administrator can specify a do-not-disturb status for a user. This indicates that the user will not receive messages except those that are stored in the mailbox. This allows the user to work without being interrupted by mail messages.

If a message is sent to a user who is marked Do Not Disturb, and your site is authorized to use the MAIL file, the message is automatically stored in the mailbox.

The Do not disturb field can also be set in self-maintenance.

Mail Functions with the Batch Facility

The batch administration facility can be used to send and delete mail messages. For information on performing mail functions with the batch facility, see the *Batch Administration Guide*.

With the batch facility, the administrator can purge expired mail messages.

Mail Facility in a Sysplex Environment

When the product is utilizing a Coupling Facility in a sysplex environment, the mail facility can be used to deliver messages to remote product users within the sysplex.

Access the Mail Facility Features

Activate the TPXMAIL session as you would any other session. This is an internal session that allows you to access all of the mail facility features for which you are authorized.

System Response and the Get Mail First Field

If the user *has not been flagged* to "get mail first," meaning the Get Mail First field located on the Userid Maintenance Detail Panel, specifies (N) No, the system immediately displays the TPX Mail Menu as it is shown on the next page.

If the user *has been flagged* to "get mail first," meaning the Get Mail First field located on the Userid Maintenance Detail Panel specifies (Y) Yes, the system automatically navigates the user to one of three options located at the top of the mail menu: Option 1 (Read your messages), Option 2 (Read the bulletins), or Option 3 (Read your messages and the bulletins). Refer to the following chart to clarify which option the user is navigated to:

Option	System Response
Option 1, Read your messages	Users are automatically navigated to this option, if they have a personal message waiting for review, but no bulletins.
Option 2, Read the bulletins	Users are automatically navigated to this option, if no personal messages were received, but bulletins are waiting for review.
Option 3, Read your messages and the bulletins	Users are automatically navigated to this option, if the user has received both personal messages and bulletins.

Note: At signon time, users are not connected to a mail session at all if the Get Mail First field specifies (Y) Yes, *and there are no messages or bulletins waiting for review.*

Mail Menu

After a mail session is activated, the TPX Message Menu is displayed, as shown here:

```
TEN0071                TPX Message Menu

    1 Read your messages
    2 Read the bulletins
    3 Read your messages and the bulletins

Send or Store a message to:
    4 A user by userid
    5 A user by name
    6 A user by terminal
    7 A list
    8 All users in an administration group
    9 All active users of an application
   10 All users of an application
   11 All active users of a menu session
   12 All users of a menu session
   13 Everyone (A bulletin)
   14 Edit/browse userlists
   15 Add application news
   16 Update logo news

F1=Help          F3=End          F9=Cancel
```

The /B Command

You can activate a mail session by issuing the /B command.

Use of Mail Menu Options

When you access the mail menu, certain options are available for use and others are not. Whether or not an option on the mail menu is available to a user depends on the following:

1. A VSAM file must be implemented for the mail facility at your site.
2. The authorization code for your site permits use of certain mail options.
3. The user's command table (panel TPX Command Authorization Class Detail Panel, Second Panel) indicates that an option is specified as available to a user.

Determine Option Availability

A user can determine if an option displayed on the mail menu is available for use by noting whether or not the option is highlighted.

Option Availability on Color Terminals

On color terminals, availability of an option is indicated by white highlighting. Blue highlighting indicates that an option is unavailable for use.

Select an Unavailable Option

If an unavailable option is selected, the system responds with an error message.

Option 16, Update Logo News

Logo news can be updated from the TPX Message Menu, if access to this option is authorized for a user. Authorization must be specified on the user's command table (panel TPX Command Authorization Class Detail, Second Panel). This panel must specify (Y) Yes, in the Update Logo News field for access to be authorized for a user. The Logo news option allows you to specify two lines (158 characters) of news to be displayed on the TPX Logo screen.

The Logo news option can also be updated from the TPX System Options Table Detail Panel, if a user has been authorized to access this panel. Authorization for access to the System Options Table Detail Panel is specified on the TPX Command Authorization Class Detail Panel. After the Update Logo News field on the Command Authorization Class Detail Panel indicates (Y), yes, the user can update Logo news from either a mail session or a TPX administration session. Updating the Logo News in a sysplex-enabled system will take effect in all systems within the sysplex.

Read Messages and Bulletins in Your Mailbox

If your site is authorized to use the MAIL file, you can access messages and bulletins (messages that are sent to all product users) that are stored in your mailbox. Some messages are sent directly to your mailbox, and you can save other messages to your mailbox.

To read messages and bulletins in your mailbox

1. Access the mail facility, as described in Accessing the Mail Facility in this chapter. The TPX Message Menu is displayed.
2. Type option number 1, 2, or 3 at the prompt and press Enter. The option you choose depends on whether you want to view messages, bulletins, or both. The Mailbox Message List is displayed.
3. Select a message to read or delete by moving the cursor in front of the message that you want to select.
 - Type S if you want to select the message to read it.
 - Type D if you want to delete the message.
4. Press Enter.
 - If you typed S, the TPX Mail Message panel is displayed.
 - If you typed D, the message is deleted from your mailbox.
5. Press PF3 to return to the TPX Mail Menu.

Delete Messages

After you read your messages, you can delete them if you are authorized. You may not be able to delete bulletins.

Messages have expiration dates. Periodically your administrator may delete messages that are past their expiration.

Accessing Online Help

Press PF1 to display help information at the top and bottom of any panel. This information remains on the screen until you exit the panel or press PF1 again.

The Mail Message Panel

The TPX Mail Message panel provides information about the message and the message subject and text, as shown:

```
TEN0021                TPX Message
From..... TPXUSR29 (Jamie Lee)
On..... 05/28/02 at 15:30:02
Expires after
Subject Let's do lunch tomorrow
Let's have lunch and discuss that memo from Frank.
***** BOTTOM OF DATA *****
Command ==>
F1=Help F3=End F4=Return F7=Bkwd F8=Fwd F9=Cancel DELETE =Delete
```

After You Read the Message

After you read the message, you can take one of the following actions:

To...	Take this action...
Delete the message and display the Mailbox Message List	Type DELETE at the command line and press Enter.
Save the message and display the Mailbox Message List	Press PF3.
Save the message and return to the Message Menu	Press PF4.

Send or Store Messages

When you send a TPX mail message, that message appears on the message recipient's terminal when the user presses an action key such as the Enter key or a PF key. If you specify that the message is to break in, the message appears on the recipient's terminal immediately, without waiting for the action key. The recipient can delete the message or save it in the mailbox.

When you store a TPX mail message, that message is stored in the recipient's mailbox. The recipient can read and delete (or save) the message only after entering the TPXMAIL session and selecting option 1, 2, or 3, to read mail messages.

Send and Store Capabilities for Command Classes

Anyone who can access the TPX Command Authorization Class Detail Panel can flag a specified command class for use of the Send Message to Group and the Store Message to Group fields.

- Send Message to Group (Y/N)
- Store Message to Group (Y/N)

When these two fields are flagged (Y), yes, from the Command Authorization Class Detail Panel, authority to send and store messages to a **group** can be established for a specified command class.

Select Recipients

When you send or store a message, you can specify the recipient in a wide variety of ways. Each method can be selected on the TPX Mail Menu.

The menu options are

4-by userid

Sends or stores the message to a single user specified by user ID.

5-by name

Sends or stores the message to a single user specified by full name. (Note that if two users happen to have the same name, the message will go to both.)

6-by terminal

Sends the message to a single user specified by the terminal ID of the terminal on which the user is signed on.

7-userlist

Sends or stores the message to all users in a userlist. You can create your own userlists or use public userlists.

8-administration group

Sends or stores the message to all users in a user group. The user groups are determined by the administrators.

9-active users of an application

Sends the message to all users who are currently in an application session, specified by the application ID.

10-all users of an application

Sends the message to all users who have an application session on their TPX menu, specified by the application ID.

11-active users of a menu session

Sends the message to all users who are currently in an application session, specified by the session ID.

12-all users of a menu session

Sends the message to all users who have a menu session, specified by the session ID.

13-everyone

Sends or stores the message to all users. This is a bulletin.

Masking

Masking allows you to use one user ID to specify a number of user IDs that have characters in common and in the same position. When creating a masked user ID, include these common characters in the correct position and fill in the other positions with dashes (-). The dashes act as a mask. When the product processes the user ID, it ignores the dashes, and selects only user IDs that match the unmasked characters.

For example, to specify all user IDs whose first two characters are HQ, you would enter the following user ID:

HQ-----

This user ID would specify IDs such as HQ23NR57, HQNNABC, HQ123456, or HQ5. It would not specify 23NR57HQ or NRHQ5397.

By entering a masked user ID for the destination user, you send or store the message to all users that match that ID.

Masking can be used with any type of identifier: terminal ID, application ID, group name, and so on.

Display the Message Generation Panel

To display the Message Generation panel

1. Access the mail facility, as described in Accessing the Mail Facility in this chapter. The TPX Message Menu is displayed, or you are automatically navigated to the appropriate mail menu option if your Get Mail First field has been set to yes.
2. Type the number of the Send or Store option at the prompt and press Enter. The Send or Store options are described in Sending or Storing Messages in this chapter. The Generate a Message panel is displayed. Use of this panel is described next.

Generate a Message Panel

The Generate a Message panel allows you to specify whom you are sending the message to, and the characteristics of the message. The Generate a Message to a Userid panel is shown here. The Generate a Message panel varies, depending on how you are specifying the recipient.

```

TENMUJD          Generate a Message
                  to a userid          (userid or ?)
Select Send / Store
  Send this message now..... N
  Store this message in mailbox..... N
Send / Store Options
  Confirm before Send or Store ..... N
  Allow message to breakin..... N (Send only)
  Acknowledge when viewed in mailbox..... N (Store only)
  Message expires after..... _____ (mm/dd/yy or days; store only)
Message Subject
                  Enter message text
***** BOTTOM OF DATA *****
Command ==>
F1=Help   F3=End   F5=Send/Store   F7=Bkwd   F8=Fwd   F9=Cancel

```

Specify the Recipient

You can specify the message recipient by typing an appropriate identifier (such as a user ID or application ID) in the field at the top of the panel. You can specify a question mark and press Enter to display a list of identifiers to choose from.

Specify Message Characteristics

You can customize the characteristics of the message by changing the default values of the Send/Store options of the Generate a Message panel.

Specify Message Text

Type the message subject and text in the labeled fields on the panel.

You can type line commands in the fields to the right of the message text area. You can use the following line commands in the Generate a Message panel.

I

Inserts a new line below the current entry.

M

Moves the current entry to a position either before the B command or after the A command.

C

Copies the current entry.

R

Repeats the current entry.

A

Acts as a marker for the M or C command, causing the line to be moved or copied to a new line after the line marked with the A command.

B

Acts as a marker for the M or C command, causing the line to be moved or copied to a new line before the line marked with the B command.

Send or Store the Message

After you have specified the recipient, changed any default characteristics, and entered the message subject and text, you can send the message.

Press PF5 to send (or store) the message.

If you specified confirmation, the Message Recipient Confirmation panel is displayed. On this panel you can double-check the list of recipients, selecting the ones you want to receive the message. You can also change the message characteristics for each recipient.

Press PF5 again from this panel to send (or store) the message to the selected users.

If Recipients Do Not Receive the Message

If some recipients do not receive the message, the Message Recipients Exceptions panel is displayed. This panel lists the users who did not receive the message. A message in the upper left-hand corner of the panel indicates why the **first** user in the list did not receive the message. On this panel you can change the message characteristics for each recipient and select which recipients you want to try again.

The users might not have received the message because they are not currently signed on to CA TPX. You can change the characteristics to store the message for the user rather than sending it.

Notes for a Sysplex Environment

All mail facilities will work transparently in a sysplex environment with the following exceptions:

- When sending a message to a single user by a username or terminal id, the exceptions panel will be displayed, even if the user is active in a remote system. The message characteristics for the recipient must be altered to specify SEND for delivery of the message to all remote systems.

Each remote system will attempt to deliver the message to the target recipient if the user is located on that system.

- When sending a message to a Userlist with the confirm option, any changes made to the message characteristics on the Message Recipient Confirmation panel will not take effect for remote users.

How to Edit Userlists

The mail facility allows you to create and maintain userlists. Userlists can be used to send messages to a specific group. Entries in the list can specify any type of identifier that messages can be sent to, such as user IDs, terminal IDs, and so on. Each userlist can contain only one type of entry.

Types of Userlists

There are three types of userlists, as described in the following table:

General

Created or modified by any administrator.

This is a userlist that can be used by any user.

The creator can specify that users cannot browse or copy the contents of the list.

Group

Owned by a user group.

Can be created or edited by any administrator who is authorized to administer the user group that owns the list.

Can always be used, browsed, and copied by members of the user group.

The creator can specify that users outside the user group cannot use and/or browse and copy the contents of the list.

Personal

Created or modified by a single user.

The creator can specify that other users cannot use and/or browse and copy the contents of the list.

Update General List Capability

The TPX administrator has the authority to allow users of a specified command class to update General Lists. This authority is provided on the Command Authorization Class Detail Panel through the following field:

Update General Lists (Y/N)

When this field is flagged (Y), yes, the TPX administrator allows the indicated command class to update General Lists.

Select a Userlist to Browse or Edit

To edit or browse a user list

1. Access the mail facility, as described in Accessing the Mail Facility in this chapter. The Message Menu is displayed.
2. Type 14 at the prompt and press Enter.

If you are authorized to edit or browse userlists that have been created by other users, the List of Userlist Owners is displayed. From this list you can select whose lists you want to edit and then proceed to the List of Userlists panel.

Otherwise, the List of Userlists panel is displayed immediately. This panel lists every userlist that you can edit.

3. At the List of Userlists panel, you can select, delete, or create userlists:
 - To select a list to edit or browse, type **S** in front of the userlist and press Enter.
 - To delete a list, type **D** in front of the userlist and press Enter.
 - To create a new list, type **S** *userlist* at the command line and press Enter.

If you select a list, the Userlist Maintenance panel is displayed, as shown in [Editing the Userlist](#) (see page 65) in this chapter.

If you are creating a new list, do not include the hyphen (-) in the list name.

Edit the Userlist

If you select a list that you want to edit, or create a new list, the Userlist Maintenance panel is displayed. This panel lists every entry in the list. You can modify the list using the line commands, listed in [Line Commands](#) (see page 66) in this chapter. You issue these commands in the field next to the userlist entry.

All entries in the userlist must be of the same type. The type is specified in the Contents field.

```
TEN0078      Userlist Maintenance      EDIT
Userlist.. DEVGROUP
Title..... The developers
Owner..... TPXUSR34      Other users may use this list..... Y
Contents.. Userids      Other users may see the contents of the list.. Y
Note: Entries of list must be the same type - userids, terminals, ...
List entry      Optional comments
TPXUSR02      Jane Smith
TPXUSR36      Mark Jones
TPXUSR48      Al Smart
TPXUSR82      Elaine Jefferson
***** BOTTOM OF DATA*****
Command ==>
F1=Help      F3=End      F4=Return      F7=Bkwd      F8=Fwd      F9=Cancel
```

Specify the Contents

If you are creating a new list, and the list is not of user IDs, you must specify the contents of the userlist, which determines what type of entries can appear in the userlist. The following table shows the possible types of entries and abbreviations that can be used when specifying the type in the Contents field.

Possible Values for Contents Field	Abbreviation	Description
USERIDS	USERI	User IDs
TERMINALS	T	Terminal IDs
USERLISTS	USERL	Userlists
APPLICATIONS	AP	Application IDs
ACTIVEAPPLICATIONS	ACTIVEA	Application IDs of active applications

SESSION	S	Session IDs
ACTIVESESSION	ACTIVES	Session IDs of active sessions
GROUP	G	User groups
NAME	N	User names

Line Commands

The following table lists the line commands that you can use in the Userlist Maintenance panel.

I

Inserts a new line below the current entry.

D

Deletes the current entry.

M

Moves the current entry to a position either before the B command or after the A command.

C

Copies the current entry.

A

Acts as a marker for the M or C command, causing the line to be moved or copied to a new line after the line marked with the A command.

B

Acts as a marker for the M or C command, causing the line to be moved or copied to a new line before the line marked with the B command.

?

Checks the entry ID, and provides the entry name in the Comments column.

Send Application News

The mail facility allows you to send application news for a specific application. Application news consists of a line of text that replaces an application's description on the TPX menu. If the news is greater than one line in length, the rest of the message appears in the mailbox of any users who have that application on their TPX menu. The application news will appear on the menu and in the mailbox of every user until it is deleted.

To edit a user list

1. Access the mail facility, as described in [Accessing the Mail Facility](#) in this chapter.
The Message Menu is displayed or you are automatically navigated to a mail menu option if your Get Mail First field is set to yes.
2. Type 15 at the prompt and press Enter.
The Generate Application News panel is displayed.

The Generate Application News panel is similar to the Generate a Message panel (described in [Sending or Storing Messages](#) (see page 58)), with the following differences:

- Any text entered in the line marked "News for Menu" will appear on the TPX Menu of all users with the specified application on their menu. If you do not enter text on this line, the first line of additional text appears on the Menu.
- The Only sender may delete field determines whether recipients can delete the news from their mailbox before the news has expired. After the news expires, any user can delete the news.

Otherwise, you use the panel as you would use the Generate a Message panel.

Chapter 7: Performing User Self-Maintenance

This section contains the following topics:

[User and Application Characteristics](#) (see page 69)

[How to Change Characteristics](#) (see page 70)

User and Application Characteristics

You can use User Self-Maintenance to change your user and application characteristics.

User Characteristics

User characteristics relate to your user ID; for example:

- Your command character
- Your command key
- Your jump key
- Your timeout options
- Your window options

Application Characteristics

Application characteristics relate to your application sessions and can be changed for each session individually. They include:

- The application's sesskey
- The application's logon ACL/E program
- Whether the application appears on the TPX Menu

How Characteristics Are Determined

Your characteristics are determined by system, profile, and application defaults. The administrator assigns you a profile. User Self-Maintenance lets you override these defaults, although your administrator can restrict which characteristics you can modify.

When Changes Take Effect

The changes made with User Self-Maintenance take effect when you sign off the product and then sign on again. In contrast, changes you make using the /E command (described in the chapter [Using Advanced Services](#) (see page 37)) take effect immediately and remain in effect only until you sign off the product.

How to Change Characteristics

To perform self-maintenance, start a TPXADMIN session as you would a normal session. The TPX User Self-Maintenance Menu will be displayed, as shown in [Modify Your User Options](#) (see page 70). Modify the fields as explained in this chapter.

Modify Your User Options

To modify your user options

1. On the TPX User Self-Maintenance Menu, select option 1, TPX User Options, as shown here:

```
TPX User Self-Maintenance Menu

Select Option ==>

Userid: TPXUSR01

1 TPX User Options
2 TPX Session Options

Panelid - TEN0128
Userid - TPXUSR01
Terminal - A55T4510
Date - 06/25/03
Time - 18:16:10
```

The first panel of the TPX Userid Maintenance Detail panel for user options is displayed:

TPX Userid Maintenance Detail Panel		
Command ==>		Panelid - TEN0165
		Userid - TPXUSR01
		Termid - A32L8203
Userid: TPXUSR01		Date - 06/25/03
UserName:		Time - 08:44:44
Location:	Phone:	
	Profile defaults	System defaults
Command character: -	-	/
Command key: -----	-----	PF12/24
Jump key: ----	PA1	NONE
Menu key: ----	PF6	PF4
Print key: ----	PF7	NONE
Group name: TPXGROUP	TPXGROUP	TPXGROUP
Command class: -	-	P
OPER Cmd class: -	P	D
Update class: -	-	D
Stage 1 timeout: -----	-----	999999
Stage 1 option: --	--	F
Stage 2 timeout: -----	-----	0
Stage 2 option: --	--	
PF1=Help	PF3=End	PF4=Return
		PF8=Next Page
		"CANCEL" cancel

2. Modify the fields as desired.

The system default for each option is listed in the right column. The profile default is listed in the middle column. The user option is listed to the left of the profile default. You only need to type a value in the left column if you want to override the system and profile default values. If you want the product to ignore the values in the system and profile columns, use the space bar to erase the underscores in the user column. Or, for values other than the menu, jump and print keys, you can type in the word "NONE."

Use the Tab or Return key to move the cursor from field to field. You can only move the cursor to fields you are authorized to change.

3. Press PF8 when you have modified the fields on the first panel.

The second panel of the TPX Userid Maintenance Detail panel for user options is displayed, as shown in the following.

- Modify the fields as desired and as described in step 2.

```

TPX Userid Maintenance Detail Panel
Command ==>
Userid: TPXUSR01
UserName:
Location:
Phone:
Profile defaults
System defaults
ACCESS:
Language:
Security system: NONE
Inactivate on:
Maximum sessions:
Default printer:
ACB mask default:
Propagate ACB:
Display menu:
Transfer option:
Affinity applid:
Pass Ticket User:
PF1=Help PF3=End PF4=Return PF7=Prev PF8=Next "CANCEL" cancel
Panelid - TEN0166
Userid - TPXUSR01
Termid - A32L8203
Date - 06/25/03
Time - 11:02:31
MULTIPLE
EN
TOPS
0

```

- Press PF8 when you have modified the fields on the second panel.

The third panel of the TPX User ID Maintenance Detail panel for user options as shown in the next step, is displayed.

- Modify the fields as desired and as described in step 2.

```

TPX Userid Maintenance Detail Panel
Command ==>
Userid:
UserName:
Location:
Phone:
Profile defaults
System defaults
VIEW security level:
Get Mail first:
Do Not Disturb:
Do Not View :
PF1=Help PF3=End PF4=Return PF7=Prev PF8=Next "CANCEL" cancel
Panelid - TEN0164
Userid - TPXUSR01
Termid - TPXIUN01
Date - 06/25/03
Time - 10:16:15

```

- Press PF8 when you have modified the fields on the third panel.

The fourth panel of the TPX User ID Maintenance Detail panel for user options is displayed, as shown in the following.

- At the command line, type `S sess/D`, where `sess/D` is the ID of the session you want to add or modify. For example, the following screen shows how to add the session named `TPXMAIL`:

```

TPX Userid Maintenance Table Entry List
Command ==> S TPXMAIL
Userid: TPXUSR01      Profile      System      Date
                      Defaults     Default    Time
Command key:  -----  -----  PF12/24
Jump key:     -----  PA1      NONE
Menu key:     -----  PF6      PF4
Print key:    -----  PF7      NONE
Session      Applid    Profile    Sesskey    Profile    Menu    Profile
              Override  Applid    Override   Sesskey    Order   Order
TPXNOTES     -----  TPXNOTES  PF --     PF --     --     --
***** BOTTOM OF DATA *****

```

Then, press Enter.

The first panel of the TPX Userid Maintenance Table Detail Panel for session options is displayed, as shown in step three.

- Modify the fields as desired.

The system default for each option is listed in the right-hand column. The application values are listed in the column to the left of the system defaults. The profile values are listed in the column to the left of the application defaults. Type a value in the leftmost column only if you want to specify a value different than the system, application, and profile default values. If you want the product to ignore the values in the system, application, and profile columns, use the space bar to erase the underscores in the user column.

Use the Tab or Return key to move the cursor from field to field.

```

TPX Userid Maintenance Detail Panel
Command ==>
Userid:  TPXUSR01          Session:  TPXMAIL          Panelid - TEN0167
                                                Userid  - TPXUSR01
                                                Termid  - A32L8203
                                                Date   - 06/25/03
                                                Time   - 08:52:32
                                                Profile Defaults  Application Defaults  System Defaults
AppId:    -----          TPXMAIL
ACCESS=PASS:  -          -
Timeout min.:  -----          -----
Modem name:  -----          -----
Sesskey:    PF --          ---
Start at signon:  -          -
Startup ACL:  -----          -----
ACL Userid:  -----          -----
ACL Password:  -----          -----
Term ACL:    -----          -----
ACB Mask:    -----          -----
KeepACB:    -          -
ICA-Invisible:  -          -
PF1=Help  PF3=End  PF4=Return  PF8=Next Page  "CANCEL" cancel
    
```

4. Press PF8 when you have modified the fields on the first panel.

The second TPX Userid Maintenance Detail Panel for application session options is displayed, as shown in step 5.

5. Modify the fields as desired.

```

TPX Userid Maintenance Detail Panel
Command ==>
Userid:  TPXUSR01          Session:  TPXMAIL          Panelid - TEN0168
                                                Userid  - TPXUSR01
                                                Termid  - A32L8203
                                                Date   - 06/25/03
                                                Time   - 08:20:2
AppId:    -----
Label:    -----
Profile label:
ACT label : TPX Administration
Output Option:  -----          Profile Defaults -----
Parm 1:  -----
Parm 2:  -----
Parm 3:  -----
Parm 4:  -----
Parm 5:  -----
Parm 6:  -----
Parm 7:  -----
Parm 8:  -----
SessionData:  -----
Default:  -----
PF1=Help  PF3=End  PF4=Return  PF7=Prev Page  "CANCEL" cancel
    
```

6. Press PF8 when you have modified the fields on the second panel.

The third TPX Userid Maintenance Detail Panel for application session options is displayed, as shown in step 7.

7. Modify the fields as desired.

This panel contains fields for ACL/E parameters for the application session. The profile defaults are in the right-hand column, and your user options are on the left. To override a profile default, modify the field in the user option column as desired.

TPX Userid Maintenance Detail Panel				
Command ==>			Panelid - TEN0168	
Userid: TPXUSR01			Session: CA-EMAIL	Userid - TPXUSR01
Applid: _____				Termid - A32L8203
HLLAPI name: _____			Profile Defaults	Application Defaults
HLLAPI id: _____				System Defaults
Generate Pass Ticket: _____				N
PF1=Help	PF3=End	PF4=Return	PF7=PrevPage	"CANCEL" cancel

8. Press PF3 when you have modified the fields on the third panel.

The TPX Userid Maintenance Table Entry List, which includes any sessions you added, is displayed.

9. If you like, you can modify fields on the TPX Userid Maintenance Table Entry List panel, shown in step 2. You can modify fields to define the following:

- Sesskey
- Command key
- Jump key
- Menu key
- Print key
- Position of the application in the TPX Menu

You need to change the values of these fields only if you want to specify a value that is different from the system and profile values that are displayed to the right of the field.

10. If you want to add or modify another session, repeat steps 2 through 7. Otherwise, press PF3 when you are finished with this panel.

The TPX User Self-Maintenance Menu is displayed.

11. Press PF3 again to display the TPX Menu.

Appendix A: Health Checks

This appendix describes health checks for CA TPX. The product owner for all CA_TPX health checks is TPX.

CA_TPX

TPX_ACB_INACTIVE

Description

This TPX health check checks for the VTAM ACB being active for the product. It runs once in every minute. If an error occurs, the following Health Check message is displayed:

```
TPXH3000E Primary ACB <ACB name> is not active from VNODE <VTAMLST node>
```

The primary PLU ACB has not been activated in VTAM for the TPX job. The primary PLU ACB should be in TPX VTAMLST member. TPX will not accept any signons until the ACB is activated. If online users not being able to interact with applications, productivity is lost.

Best Practice

The TPX VTAMLST member should be active before you start the CA TPX product. Operators should not vary the main TPX ACBNAME inactive while the product is running.

Parameters Accepted

<ACB name>

Defines VTAM ACB name used by the product.

<VTAMLST node>

Defines VTAMLST node used by the product.

Debug Support

Yes.

Check whether the major VTAM node actual name has been activated. The startup VNODE parameter &var6 on the TPX PROC JCL lists the VTAMLST member, which should be activated before starting up CA TPX.

You can display the status of the actual name member by issuing the following operator command:

```
D NET, ID=<VTAMLST node>, E
```

If the VNODE parameter member is not found, you will see the IST453I message stating that the node is invalid. Try varying VTAMLST member name active with the following operator command:

```
V NET, ACT, ID=<VTAMLST node>, SCOPE=ALL
```

Verbose Support

Yes.

You can display the TPX PLU ACB by issuing following command:

```
D NET, ID=<ACBname>, E
```

There may be a problem with ADMIN1 DD file when the VNODE member major node is active while the ACB &var12 is in CONCT state but TPX is unable to activate its ACB. The ADMIN1 DD file have to be restored from a working backup copy. Ensure that PLU ACB and its VNODE member node are available and not being used on the system before pursuing an ADMIN1 DD file.

Reference

For more information about setting up the TPX VTAMLST member, see the *Installation Guide*.

Messages

See the *Message Reference Guide*.

TPX_CF UNCONNECTED

Description

This TPX health check checks for the Coupling Facility (CF) Connection has become disconnected. It runs once in every minute. If an error occurs, the following Health Check message is displayed:

TPXH3001E Coupling Facility connection <CF name> is not connected

The TPX job attempts to reconnect to the coupling facility.

Parameters Accepted

<CF name>

Defines the Coupling Facility name used by Generic Coupling Facility between each participating TPX region.

Debug Support

Yes.

If the CF structure was stopped intentionally for maintenance, restart the CF structure as soon as the maintenance is complete.

If the coupling facility machine is down, determine the problem and restart the coupling facility as soon as possible.

Verbose Support

No.

Reference

For an explanation on errors and diagnostic information, see MVS Programming: Sysplex Services Reference (SA22-7618).

Messages

See the *Message Reference Guide*.

TPX_STORAGE_OVERFLOW

Description

This TPX health check checks for the SLOT or DSA Storage overflow. It runs once in every five minutes. However, in some cases, the health check runs once in every minute. If an error occurs, the following Health Check message is displayed:

```
TPXH3002E sord – bora THE LINE – HAS OVERFLOWED SINCE LAST INTERVAL
```

Storage has overflowed for slot number n or DSA since the last interval check. The bora parameter states whether storage overflowed either above or below the 16 MB.

Best Practice

Monitor TPX slot and DSA storage. Find the high watermark usage for your slots and DSA for your site. If a SLOT or DSA run low on storage, adjust CA TPX storage usage accordingly.

Parameters Accepted

sord

Specifies the DSA storage or the SLOT number for a storage pool..

DSA

Specifies the DSA storage inside of TPX.

bora

Specifies either ABOVE or BELOW respectively when the storage line is above or below 16MB.

Debug Support

Yes.

Monitor storage usage of the particular slot that has overflowed. If the problem continues over multiple time intervals, raise the percentage of storage for the problem slot pool.

Use the "D STOR" TPX operator command to display the storage line below the 16MB. The following illustration is an example of a D STOR screen:

```

2 - TPXJCH (USCMCT4P.CA.COM)
File Edit Transfer Fonts Options Tools View Window Help
TPXJCH - CA11 ***** TPX Operator ***** TEN0217

Storage Statistics (Below 16M line)

Open ACBs: 0012      Total ACBs: 0090   Terminals: 0001   Applications: 0002
DSA Bytes: 04796416 Current Use: 001 % High Use: 001 % Free Areas: 0004
Slot Bytes: 01572864 Current Use: 000 % High Use: 001 % Overflows: 00000

Slot  Size  * Count  = Bytes  Curr.Use  Max.Use  Failed  Requests
01    00008  8192    65536   000 %    000 %    0       10
02    00016  5120    81920   000 %    000 %    0       1
03    00032  2560    81920   000 %    000 %    0      1844
04    00064  1792    114688  000 %    000 %    0       44
05    00128  768     98304   001 %    001 %    0      714
06    00256  384     98304   000 %    000 %    0     13655
07    00512  224    114688  000 %    001 %    0       32
08    01024  112    114688  000 %    005 %    0      401
09    02048  56     114688  000 %    003 %    0      155
10    04096  32     131072  000 %    003 %    0        3
11    08192  48     393216  000 %    002 %    0        1
12    10240  16     163840  000 %    006 %    0        3

***** BOTTOM OF DATA *****

Command ==>
***** PF1=Help PF3=End PF4=Return PF6=Repeat PF7=Up PF8=Down *****
2 | Sess-1 | 141.202.198.145 | | | | | 23/14 |

```

Use the "D STORXA" TPX operator command to display the storage line below the 16 MB. The following illustration is an example of a D STORXA screen:

```
A31ITECF - CA31 ***** TPX Operator ***** TEN0218
                        Storage Statistics (Above 16M line)
Open ACBs: 0012      Total ACBs: 0033  Terminals: 0002 Applications: 0003
DSA Bytes: 0008388608 Current Use: 000 % High Use: 000 % Free Areas: 0005
Slot Bytes: 0008316096 Current Use: 011 % High Use: 012 % Overflows: 000000

Slot  Size  * Count  = Bytes  Curr.Use  Max.Use  Failed  Requests
 01   00032  20992   671744   012 %    012 %    0       2763
 02   00064   7872   503808   009 %    009 %    0        825
 03   00128   6560   839680   019 %    020 %    0       1611
 04   00136   4936   671296   000 %    000 %    0         86
 05   00208    800   166400   000 %    000 %    0         10
 06   00320   1048   335360   002 %    014 %    0        250
 07   00456   1104   503424   008 %    008 %    0        176
 08   00512   2136   1093632  002 %    003 %    0         74
 09   01024    488   499712   009 %    009 %    0         70
 10   02048    856   1753088  024 %    024 %    0        596
 11   04096    280   1146880  011 %    011 %    0         297
 12   08192     16    131072   000 %    012 %    0         371
***** BOTTOM OF DATA *****
Command ==>
***** PF1=Help PF3=End PF4=Return PF6=Repeat PF7=Up PF8=Down *****
```

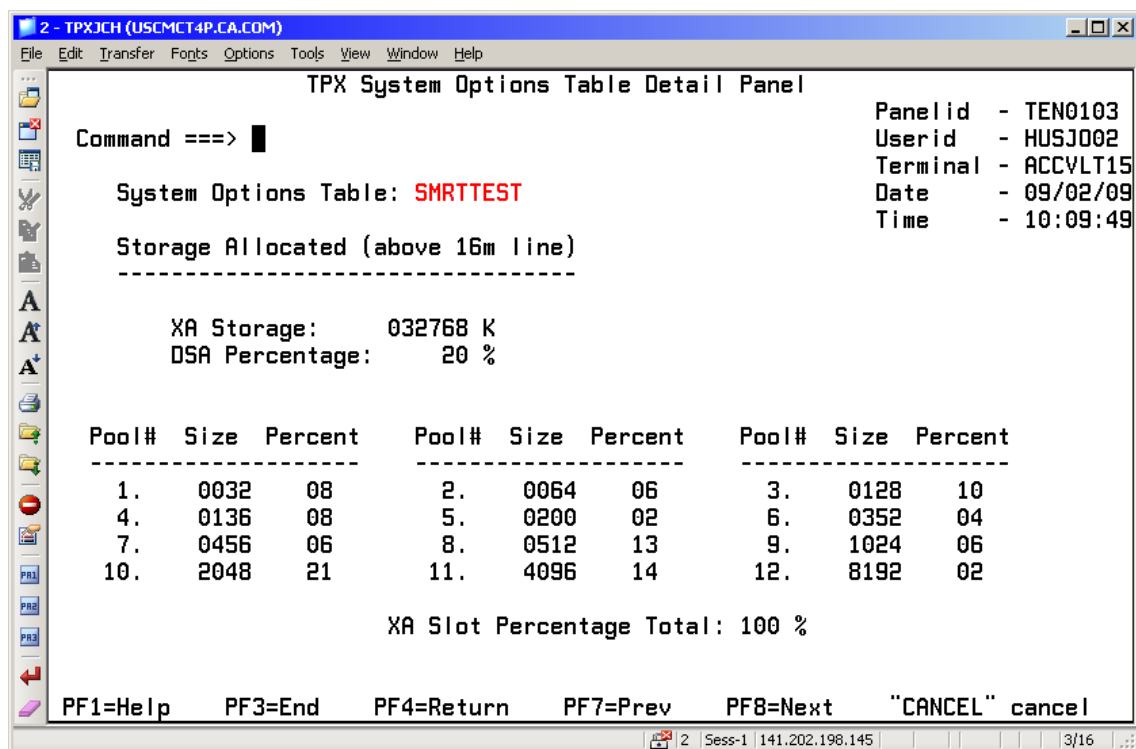
Use the Systems Options Table List to update the current TPX systems storage options. You can update the slot percentages. The following illustrations are the sample TPX System Options Table Detail Panel Storage screens for below and above the 16 MB line:

```

2 - TPXJCH (USCMCT4P.CA.COM)
File Edit Transfer Ports Options Tools View Window Help
TPX System Options Table Detail Panel
Command ===>
System Options Table: SMRTTEST
Storage Allocated (below 16m line)
-----
System Storage: 1024 K * DSA Overload at: 80 %
Minimum Storage: 2048 K * Slot Overload at: 80 %
DSA Percentage: 75 %
-----
Pool# Size Percent Pool# Size Percent Pool# Size Percent
-----
1. 0008 04 2. 0016 05 3. 0032 05
4. 0064 07 5. 0128 06 6. 0256 06
7. 0512 07 8. 1024 07 9. 2048 07
10. 4096 08 11. 8192 26 12. 10240 12
-----
Slot Percentage Total: 100 %
* Can be updated dynamically using the TPX Operator Reload Command
PF1=Help PF3=End PF4=Return PF7=Prev PF8=Next "CANCEL" cancel
2 | Sess-1 | 141.202.198.145 | 3/16

```

Figure 1: The illustration is the sample TPX System Options Table Detail Panel Storage screen for above the 16MB line.



Verbose Support

No.

Reference

For more information about how to monitor the storage slots, see the section Adjust Storage Parameter in the chapter "Special Features and Customization Tasks" of the Programming Guide.

For more information about how to adjust the storage slots, see the sections, Below-the-Line Storage Parameters and Above-the-Line Storage Parameters, in the chapter "Specifying System Options" of the Administration Guide.

Messages

See the *Message Reference Guide*.

TPX_STORAGE_IN_OVERLOAD

Description

This TPX health check checks for the SLOT or DSA Storage overflow over multiple time intervals. When the event is recognized, it runs once in every minute. If an error occurs, the following Health Check message is displayed:

```
TPXH3002E sord – bora THE LINE – HAS OVERFLOWED SINCE LAST INTERVAL
```

Storage has overflown over multiple intervals for slot number n or DSA since the last interval check. The bora parameter states whether storage line overflowed either above or below the 16 MB.

Best Practice

Monitor TPX slot and DSA storage. Find the high watermark usage for your slots and DSA for your site. If a SLOT or DSA run low on storage, adjust TPX storage usage accordingly.

Parameters Accepted

SLOT n | DSA

Specifies TPX SLOT storage, where

N

Defines the Slot number.

DSA

Specifies the DSA storage inside of TPX.

bora

Specifies either ABOVE or BELOW respectively when the storage line is above or below 16 MB.

Debug Support

Yes.

Monitor storage usage of the particular slot which has overflowed. If the problem continues over multiple time intervals, raise the percentage of storage for the problem slot pool.

Use the "D STOR" TPX operator command to display the storage line below the 16 MB. The following illustration is an example of a D STOR screen:

```

2 - TPXJCH (USCMCT4P.CA.COM)
File Edit Transfer Fonts Options Tools View Window Help
TPXJCH - CA11 ***** TPX Operator ***** TEN0217

Storage Statistics (Below 16M line)

Open ACBs: 0012      Total ACBs: 0090   Terminals: 0001   Applications: 0002
DSA Bytes: 04796416 Current Use: 001 % High Use: 001 % Free Areas: 0004
Slot Bytes: 01572864 Current Use: 000 % High Use: 001 % Overflows: 00000

Slot  Size  * Count = Bytes    Curr.Use  Max.Use  Failed  Requests
01    00008  8192   65536    000 %    000 %    0       10
02    00016  5120   81920    000 %    000 %    0        1
03    00032  2560   81920    000 %    000 %    0      1844
04    00064  1792   114688   000 %    000 %    0        44
05    00128  768    98304    001 %    001 %    0       714
06    00256  384    98304    000 %    000 %    0     13655
07    00512  224    114688   000 %    001 %    0        32
08    01024  112    114688   000 %    005 %    0       401
09    02048  56     114688   000 %    003 %    0       155
10    04096  32     131072   000 %    003 %    0         3
11    08192  48     393216   000 %    002 %    0         1
12    10240  16     163840   000 %    006 %    0         3

***** BOTTOM OF DATA *****

Command ==>
***** PF1=Help PF3=End PF4=Return PF6=Repeat PF7=Up PF8=Down *****
2 | Sess-1 | 141.202.198.145 | 23/14

```

Use the "D STORXA" TPX operator command to display the storage line below the 16 MB. The following illustration is an example of a D STORXA screen:

```

A31ITECF - CA31 ***** TPX Operator ***** TEN0218
                        Storage Statistics (Above 16M line)
Open ACBs: 0012      Total ACBs: 0033  Terminals: 0002  Applications: 0003
DSA Bytes: 0008388608  Current Use: 000 %  High Use: 000 %  Free Areas: 0005
Slot Bytes: 0008316096  Current Use: 011 %  High Use: 012 %  Overflows: 000000

Slot  Size  * Count  =  Bytes      Curr.Use  Max.Use  Failed  Requests
 01   00032  20992   =  671744     012 %    012 %    0       2763
 02   00064  7872    =  503808     009 %    009 %    0        825
 03   00128  6560    =  839680     019 %    020 %    0       1611
 04   00136  4936    =  671296     000 %    000 %    0         86
 05   00208  800     =  166400     000 %    000 %    0         10
 06   00320  1048    =  335360     002 %    014 %    0        250
 07   00456  1104    =  503424     008 %    008 %    0        176
 08   00512  2136    =  1093632    002 %    003 %    0         74
 09   01024  488     =  499712     009 %    009 %    0         70
 10   02048  856     =  1753088    024 %    024 %    0        596
 11   04096  280     =  1146880    011 %    011 %    0         297
 12   08192  16      =  131072     000 %    012 %    0         371
***** BOTTOM OF DATA *****
Command ==>
***** PF1=Help PF3=End PF4=Return PF6=Repeat PF7=Up PF8=Down *****

```

Use the Systems Options Table List to update the current TPX systems storage options. You can update the slot percentages. The following illustrations are the sample TPX System Options Table Detail Panel Storage screens for below and above the 16 MB:

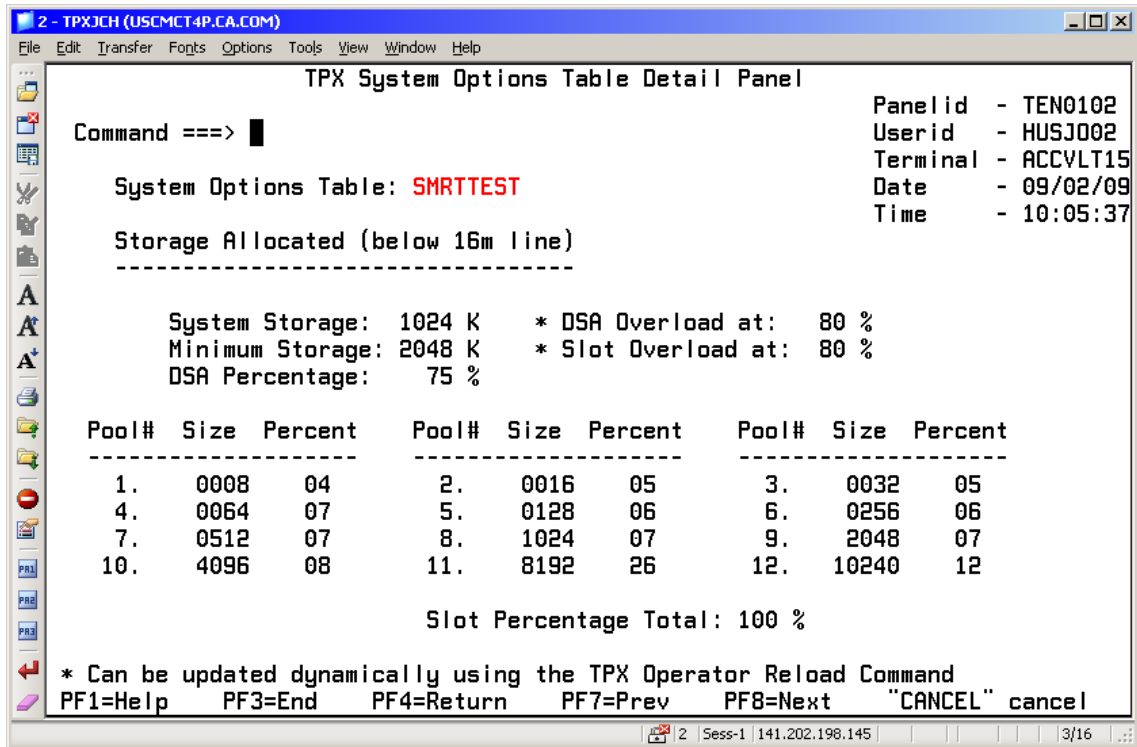


Figure 2: The illustration is the sample TPX System Options Table Detail Panel Storage screen for above the 16MB line.

```

2 - TPXJCH (USCMCT4P.CA.COM)
File Edit Transfer Fonts Options Tools View Window Help

TPX System Options Table Detail Panel

Command ===>

System Options Table: SMRTTEST

Storage Allocated (above 16m line)
-----

XA Storage:      032768 K
DSA Percentage:  20 %

Pool#  Size  Percent   Pool#  Size  Percent   Pool#  Size  Percent
-----
  1.   0032   08         2.   0064   06         3.   0128   10
  4.   0136   08         5.   0200   02         6.   0352   04
  7.   0456   06         8.   0512   13         9.   1024   06
 10.   2048   21        11.   4096   14        12.   8192   02

XA Slot Percentage Total: 100 %

PF1=Help  PF3=End  PF4=Return  PF7=Prev  PF8=Next  "CANCEL" cancel
2 Sess-1 141.202.198.145 3/16

```

Verbose Support

No.

Reference

For more information about how to monitor the storage slots, see the section Adjust Storage Parameter in the chapter "Special Features and Customization Tasks" of the Programming Guide.

For more information about how to adjust the storage slots, see the sections, Below-the-Line Storage Parameters and Above-the-Line Storage Parameters, in the chapter "Specifying System Options" of the Administration Guide.

Messages

See the *Message Reference Guide*.

Appendix B: User Messages

This section contains the following topics:

[Messages Displayed on the TPX Menu](#) (see page 91)

[Messages Displayed at the TPX Logo](#) (see page 93)

[Other User Messages](#) (see page 96)

Messages Displayed on the TPX Menu

CA TPX displays various informational and error messages on the TPX Menu when you enter data or commands. This section shows these messages and explains how to respond to them.

Sample Message

The following figure shows how a user message would appear on your TPX Menu:

TPX MENU FOR TPXADMIN			Panelid - TEN0041
Cmdkey=PF12/24	Jump=NONE	Menu=PF4	Terminal - TPXPUN09
Print=PF14	Cmdchar=/ => NO VIRTUAL TERMINAL AVAILABLE <==		Model - 3278-2
			System - TPXCC20

Message Explanations

The following pages show the text of these user messages, their meaning, and how you should respond to them.

Note: Messages are presented in alphabetical order.

APPLICATION NOT AVAILABLE

Reason:

The product issues this message if your attempt to activate an application session fails because the application is unavailable.

Action:

Check for application availability and try again.

NO VIRTUAL TERMINAL AVAILABLE

Reason:

This message indicates that you have tried to activate a virtual terminal session, but the product does not have a virtual terminal for your use. Once a virtual terminal is available, the session is activated. However, the product may not be able to activate a session if it cannot find any available virtual terminals that satisfy model or naming requirements, or if all available virtual terminals for the application are already occupied.

Action:

Wait for a few minutes, and then try again. If the problem persists, consult your administrator.

PASSED SESSION HAS ENDED

Reason:

A session was started in PASS mode and ended normally.

Action:

None

PASSED SESSION SETUP FAILED

Reason:

A requested session in PASS mode could not be established.

Action:

Consult your administrator. The TPXL0051 message in the Log will have further information about the session setup failure.

SESSION *sessionID* HAS ENDED

Reason:

An application has terminated or is unavailable. The product issues this message when an application terminates for one of the following reasons:

- You issue appropriate LOGOFF commands.
- You issue a /I (inactivate) command.
- An error condition arises.

Action:

Wait for a few minutes, and then try again.

UNABLE TO DISPLAY GRAPHICS (ENTER PF3/PF4 TO RESELECT)

Reason:

This message indicates that you attempted to view a session containing graphics but your terminal is unable to display graphics.

Action:

Press PF3 or PF4 to select another session to view.

UNUSUAL PASSED SESSION END

Reason:

The VTAM actions required to establish and terminate a session in PASS mode occurred in an abnormal sequence.

Action:

Ignore this message unless you subsequently experience difficulty starting sessions or if you log off the product and cannot get back on. In that case, see your administrator.

Messages Displayed at the TPX Logo

The product may display various informational and error messages when you sign on. This section describes the meaning of each message and how to respond.

TERMINAL TRANSFER PENDING . . . TO CONTINUE HIT ENTER

Reason:

The product is in the process of transferring sessions.

Action:

Press Enter to complete the transfer.

**TERMINALS INCOMPATIBLE . . . TO CONTINUE ENTER A VALID TRANSFER OPTION:
YES|NO|HOLD**

Reason:

You have requested to transfer your sessions, but the terminals are incompatible.

Action:

Specify one of the following options:

Yes

The product performs the transfer and terminates any sessions that cannot be transferred.

No

The product does not perform the transfer.

Hold

The product performs the transfer, keeping the incompatible sessions active but inaccessible until you transfer to a compatible terminal or restart the sessions.

**TERMINALS INCOMPATIBLE . . . ENTER THE FOLLOWING BELOW
USERID/PASSWORD//X WHERE X=Y/N/H**

Reason:

You have requested to transfer your sessions, but the terminals are incompatible.

Action:

Specify your user ID and password and one of the following options:

Yes

The product performs the transfer and terminates any sessions that cannot be transferred.

No

The product does not perform the transfer.

Hold

The product performs the transfer, keeping the incompatible sessions active but inaccessible until you transfer to a compatible terminal or restart the sessions.

**TERMINAL SECURITY VIOLATION . . . ENTER YES TO CONTINUE AND TERMINATE
SESSION | NO TO DISALLOW**

Reason:

This message appears when masking is done for security reasons.

Action:

Specify one of the following options:

Yes

The product continues the transfer but sessions with masking are inactivated.

No

The product does not continue the transfer.

**TERMINAL SECURITY VIOLATION . . . ENTER THE FOLLOWING USERID/PASSWORD//X
WHERE X=Y/N**

Reason:

This message appears when masking is done for security reasons.

Action:

Specify your user ID and password and one of the following options:

Yes

The product continues the transfer but sessions with masking are inactivated.

No

The product does not continue the transfer.

Other User Messages

All other user messages (those not displayed on the TPX Menu) appear in the format shown here:

```
*****
*
*          MSGID: TEN0080
*
*          TPX SCREEN PRINT FACILITY:
*
*          PRINT REQUEST STARTED
*          PRINTER NAME: printerID
*
*
*          PRESS ENTER TO RETURN ==>
*
*
*****
```

Message Explanations

The following pages show the text of these user messages, their meaning, and how to respond to them.

TEN0009

PROTOCOL VIOLATION:INPUT DATA NOT SENT TO APPLICATIONBECAUSE APPLICATION EXPECTS TO BE NEXT SENDER

Reason:

You will receive this message if the product is unable to accept input from your terminal.

Action:

Press Enter to try again. If the problem persists, see your administrator.

TEN0016

***sessionID* IS IN ACLPGM MODE**

Reason:

You will receive this message if you press Enter while an ACL program is executing.

Action:

Press Enter to get back to your current screen when the ACL/E program finishes executing.

TEN0023

LOCKWORD IS NOT CORRECT

Reason:

If you were attempting to unlock your terminal and entered an incorrect password (or lock word, if you do not have a CA TPXpassword), you receive this message.

Action:

Enter the correct password or lock word to return to your current session or to the TPX Menu. If you forget your lock word, your administrator can unlock your terminal for you.

TEN0023

TERMINAL LOCKED

Reason:

If you lock your terminal, this message appears on your screen until your terminal is unlocked.

Action:

You can unlock your terminal by re-entering your lock word. As soon as you do this, you will return to your current session or to the TPX Menu.

Your terminal will be unlocked automatically if you transfer to a different terminal. In addition, your administrator can unlock your terminal with a special command.

TEN0040

REQUEST DENIED - SYSTEM OVERLOAD

Reason:

The product displays this message when it does not have enough reserved storage space to let you log on.

Action:

Try again in a few minutes. If the problem persists, contact your administrator.

TEN0042

SCREEN QUEUED TO *userID*

Reason:

This message indicates that the screen was successfully sent to another user when you issued the /Q command.

Action:

To proceed, you can either enter a command or press Enter. Pressing Enter will take you back to your current session or to the TPX Menu.

TEN0042

userID IS AN INVALID DESTINATION

Reason:

This message indicates that you entered an incorrect user ID when you tried to send a screen to another user with the /Q command.

Action:

To proceed, you can either enter a command or press Enter. Pressing Enter will take you back to your current session or to the TPX Menu.

TEN0055

ERROR OPENING SYSOUT DATASET

Reason:

JES was unable to open a SYSOUT data set when you issued a /P command.

Action:

Check with your JES system programmer.

TEN0055

***printerID* IS AN INVALID DESTINATION**

Reason:

This message indicates that you specified an invalid JES printer ID on a /P command.

Action:

To proceed, you either enter a command or press Enter. Pressing Enter will take you back to your current session or to the TPX Menu.

TEN0055

TPX SCREEN PRINT - DESTINATION: *printerID*

Reason:

This message indicates that the /P command you issued is being processed.

Action:

Press Enter.

TEN0058

SESSION: sessname ACLPGM: pgmname ACLPGM ENDED DUE TO ERROR

Reason:

This message indicates that an ACL program executing in one of your sessions has ended because of an error. The message names the ACL program that ended and the session in which it was executing. It also describes the error that caused the problem. Your administrator should be able to help you resolve the problem.

Action:

To proceed, you can either enter a command or press Enter.

TEN0080

PRINT REQUEST STARTED

Reason:

This message indicates that a printer successfully received the screen you sent using the /P command.

Action:

To proceed, you can either enter a command or press Enter. Pressing Enter will take you back to your current session or to the TPX Menu.

TEN0080

PRINT REQUEST COMPLETED SUCCESSFULLY PRINTER NAME: *printerID*

Reason:

This message indicates that your screen has been printed on the specified printer.

Action:

Press Enter to proceed.

TEN0080

PRINT REQUEST HAS BEEN QUEUED PRINTER NAME: *printerID*

Reason:

This message indicates that your print request is in the queue and will be printed on the specified printer.

Action:

Press Enter to proceed.

TEN0080

PRINT REQUEST WAS UNSUCCESSFUL

VTAM ERROR INFORMATION FOLLOWS:

RTNCD=*return code* FDBK=*feedback2*

SENSE CODE=*sense code*

PRINTER NAME: *printerID*

Reason:

This message indicates that you specified an invalid VTAM printer ID on a /P command.

Action:

To proceed, either enter a command or press Enter. Pressing Enter will take you back to your current session or to the TPX Menu.

TEN0080

PRINTER NOT AVAILABLE

CHECK PRINTER OR RETRY LATER

PRINTER NAME: *printerID*

Reason:

A print request was started but failed due to some problem such as a paper jam or the power being off.

Action:

Check the printer.

TEN0080

INVALID PRINTER NAME SPECIFIED PRINTER NAME: *printerID*

Reason:

The specified printer ID is unknown to VTAM.

Action:

Correct the printer ID and try again.

TEN0080

PRINTER INCOMPATIBLE WITH TERMINAL MODE.

REQUEST COULD NOT BE PROCESSED

PRINTER NAME: *printerID*

Reason:

The screen size defined for the printer is smaller than the screen you are trying to print.

Action:

Either use another printer or have the screen size definition for this printer changed.

TEN0080

**DATASTREAM CONTAINED ATTRIBUTES NOT SUPPORTED BY THE REQUESTED PRINTER
PRINTER NAME:** *printerID*

Reason:

The specified printer cannot print screens from your terminal.

Action:

Use another printer or contact your administrator.

TEN0080

**DATASTREAM CONTAINED AN ADDRESS OUTSIDE THE RANGE SUPPORTED BY THE
REQUESTED PRINTER PRINTER NAME:** *printerID*

Reason:

Due to discrepancies in the screen size definitions for the specified printer and the screen size of your terminal, your print request might not work.

Action:

If your screen prints successfully, ignore this message. Otherwise, either use another printer or contact your administrator.

TEN0087

INVALID TPX COMMAND

Reason:

This message indicates that the character you entered does not represent a valid command.

Action:

Press Enter to proceed.

TEN0087

UNAUTHORIZED COMMAND

Reason:

This message indicates that you tried to issue a command that you are not authorized to use.

Action:

Press Enter to proceed.

TEN0088

sessid ACL NOT ACTIVE

Reason:

A command was directed at the session identified by *sessid*. The command is only valid when an ACL is active in the session. An ACL was not active at the time the command was processed.

Action:

Press Enter to proceed.

Appendix C: Command Summary

This section contains the following topics:

[Command Format](#) (see page 105)

[Command Usage](#) (see page 106)

[Commands](#) (see page 108)

Command Format

CA TPX commands have a unique format that distinguishes them from any other system or application commands. This allows you to issue commands in an active session. The format consists of the following:

- A command, or prefix, character
- Command text (including any required operands)
- A command key

You must use the full command format when issuing a command in an active session. However, when issuing the command from the command line, the command character and command key are optional.

The following shows all three components of commands:

```
cmd-char command-operands <cmd-key>
```

where *cmd-char* is the command character and <*cmd-key*> is pressing the command key.

Default Command Character and Command Key

A slash (/) is the default command character, and PF12/24 is the default command key. If these are not convenient, see Changing Your User Characteristics in the chapter [Using Advanced Services](#) (see page 37).

Command Usage

The commands can be issued in three different ways:

- From a command line
- From within an active session
- As a line command on the TPX Menu

From the Command Line

Commands can be issued from the command line on the TPX Menu and on most other panels. You cannot issue a command from the following panels:

- The Temporary Override panel
- The Session Override panel
- The Lock screen
- The Screen Image Queued panel
- The TPX Message Received panel

You can only issue the /A, /G, and /N commands from the TPX Menu.

To issue a command from a command line

1. Type the command letter and any operands.
2. Press Enter.

Example

To issue the /A command to activate the session TPXMAIL, enter the following command at the command line:

```
/A TPXMAIL
```

From Within An Active

Most commands can be issued from an active session without disturbing the session.

To issue a command from within an active session

1. Use the Tab or Return key to move the cursor to an input field.
2. Type the command character followed by the command and any operands. (The default command character is a slash, /.)

3. Press the command key. (The default command keys are PF12 and PF24.)

You cannot issue the /A, /G, and /N commands from within a session.

Example

Assume that the current application has a prompt at the bottom of the screen, as follows:

```
==>
```

To issue the /B command to send the message "lunch time" to user TPXUSR23, type the following command at the prompt (assuming the command character is a slash), and then press the command key (typically PF12 or PF24):

```
/B TPXUSR23 LUNCH TIME
```

Important! For a command issued with the command character to be processed correctly, you should not move the cursor after you type the command. At the time you press the command key, the cursor must be in the next logical position after the command. For example, you type /T8 and then press PF12. If you type /T8 and then hit the space bar before pressing PF12, the command will be sent to the application you are in session with rather than being processed as a command.

As a Line Command at the TPX Menu

The /A, /D, /E, /G, /I, /N, /P, /S, and /V commands can be issued as line commands without the command character (usually a slash, /) on the TPX Menu.

To issue a command as a line command

1. Use the Tab or Return key to move the cursor to the field beside the session you want to work with.
2. Type the command letter.
3. Press Enter.

Example

To issue the /A command to activate the session R20, type the command as shown here and press Enter:

Sessid	Sesskey	Session Description	Status
- TPXADMIN	PF5	TPX Administration	
- TPXNOTES	PF7	TPX Scratchpad	
- TPXMAIL	PF8	TPX Mailbox System	
- WINDOWS	PF9	TPX Windows	
- T8	PF6	TS0/E – z/OS SYS8	
A R20	PF10	Remote Console SYS8	
- T12	PF11	TS0/E – SYS12	

The product activates R20 and switches you to it.

Commands

You can use the following CA TPX commands

/sessID

Switches you to the specified session and activates it if it is not already active.

/A

Activates idle sessions normally activated automatically at signon. You can only issue this command from the TPX Menu. You can also issue it as a line command.

/A ALL

Activates all sessions. You can only issue this command from the TPX Menu.

/A applid

Adds an application to your TPX Menu, activates it, and switches you to it. You can only issue this command from the TPX Menu.

/A applid signon-data

Adds an application to your TPX Menu, activates it, provides the product with signon data, and switches you to the session. You can only issue this command from the TPX Menu.

/A sessID

Activates the specified session. You can only issue this command from the TPX Menu.

/A sessID signon-data

Activates the specified session, provides the product with signon data, and switches to the session. You can only issue this command from the TPX Menu.

/A applid "

Clears any previously entered signon data.

/A sessID "

Clears any previously entered signon data.

/B

Activates a TPXMAIL session.

/B userID msg

Sends the specified message text to the specified user. The message can contain up to 55 characters.

/D sessID

Deletes a dynamically added session from the TPX Menu. You can only issue this command from the TPX Menu. You can also issue it as a line command.

/E

Displays the User Temporary Overrides panel, or, when issued as a line command at the TPX Menu, displays the Session Temporary Overrides panel.

/E operand

Establishes temporary values according to the specified operand(s). Possible operands are:

CHR=c

Specifies the command character.

CMD=key

Specifies the command key.

DND=Y/N

Specifies that mail messages will not interrupt.

DNV=Y/N

Specifies that the user cannot be viewed.

JMP=key

Specifies the jump key.

PRT=key

Specifies the print key.

MNU=key

Specifies the menu key.

LNG=*lng*

Specifies the panel language.

INV=Y/N

Specifies whether the session is listed on the TPX Menu.

You must include one or more operands with this command, separating operands with commas.

/F

Signs off the product and returns to the Logo screen. Sessions remain active or are logged off, depending on the value in the "Inactivate on" field of your user options.

/G

Activates idle sessions normally activated automatically, ignoring ACL/E programs. You can only issue this command from the TPX Menu. You can also issue it as a line command.

/G ALL

Activates ALL sessions, ignoring ACL/E logon programs. You can only issue this command from the TPX Menu.

/G applid

Adds an application to your TPX Menu, activates it while ignoring any ACL/E logon program, and switches you to the session. You can only issue this command from the TPX Menu.

/G applid signon-data

Adds an application to your TPX Menu, activates it while ignoring any ACL/E logon program, provides the product with signon data, and switches you to the session. You can only issue this command from the TPX Menu.

/G sessID

Activates the specified session, ignoring any ACL/E logon program and switches to the session. You can only issue this command from the TPX Menu.

/G sessID signon-data

Activates the specified session ignoring any ACL/E logon program, provides the product with signon data, and switches you to the session. You can only issue this command from the TPX Menu.

/G applid "

Clears any previously entered signon data.

/G sessID "

Clears any previously entered signon data.

/H

Gives a brief explanation of each command.

/H *cmd-ltr*

Gives a detailed explanation of the command specified in *cmd-ltr*.

/I

Inactivates your current session. You can issue this command as a line command on the TPX Menu.

/I ALL

Inactivates all sessions.

/I *sessID*

Inactivates the specified session.

/J

Switches you to the next active session listed on the TPX Menu. You cannot issue this command from the TPX Menu.

/K

Signs and logs you off.

/L

Locks your terminal, prompting you for a lock word if you do not have a password or you have a password phrase.

/N *applid*

Adds an application to your menu, activates the session in PASS mode, and switches you to it. You can only issue this command from the TPX Menu.

/N *applid signon-data*

Adds an application to your menu, activates the session in PASS mode, provides the product with signon data, and switches you to the session. You can only issue this command from the TPX Menu.

/N *sessID*

Activates the specified session in PASS mode and switches you to it. You can only issue this command from the TPX Menu.

/N *sessID signon-data*

Activates the specified session in PASS mode, provides the product with signon data, and switches you to the session. You can only issue this command from the TPX Menu.

/N *applid "*

Clears any previously entered signon data.

/N sessID "

Clears any previously entered signon data.

/P

Sends the image currently displayed on your screen to the default printer. You can issue this command as a line command on the TPX Menu to print the screen from the selected session.

/P FILE

Sends the image currently displayed on your screen to a data set.

/P LOG

Sends the image currently displayed on your screen to the Log.

/P prtrID

Sends the image currently displayed on your screen to the specified *prtrID*.

/P sessID

Sends the screen image from the specified session to the default printer.

/P sessID FILE

Sends the screen image from *sessID* to a data set.

/P sessID LOG

Sends the screen image from the specified session to the Log.

/P sessID prtrID (class)

Sends the screen image from *sessID* to a JES2 or VTAM printer and can optionally specify a print class.

/Q sessID userID

Sends *userID* a screen image from *sessID*.

/Q userID

Sends the image currently displayed on your screen to the specified user ID.

/R

Refreshes the current screen.

/S acfpgm (data)

Submits *acfpgm* to execute in the current session and can optionally pass *data* to the program. You cannot issue this command from the TPX Menu.

/S sessID acfpgm (data)

Submits *acfpgm* to execute in *sessID*, and can optionally pass *data* to the program.

/V

Interrupts the ACL/E program executing in the current session. You can issue this command as a line command on the TPX Menu.

/V sessID

Interrupts the ACL/E program executing in *sessID*.

/W

Displays the TPX Menu.

Terminal Keys

The key functions that can be used are

Attn key

Breaks you out of your current session if you are using an SNA terminal.

Reset key

Breaks you out of your current session if you are using a non-SNA terminal.

Appendix D: Using an LU1 Terminal

This section contains the following topics:

[Services on an LU1 Terminal](#) (see page 115)

[Sign On with an LU1 Terminal](#) (see page 115)

[Switch Among Sessions from an LU1 Terminal](#) (see page 116)

[Issue Commands from an LU1 Terminal](#) (see page 116)

Services on an LU1 Terminal

You can use CA TPX on an LU1 terminal. However, the only internal session that you can use on an LU1 terminal is TPXOPER, the operator session.

You cannot:

- Perform administration.
- Send broadcasts with the Mail facility.
- Use Windows.
- Use DEMO.
- Use the Notepad facility.
- Use View.

Sign On with an LU1 Terminal

Because an LU1 terminal does not have full-screen display capability, you must sign on differently than if you had a 3270-type terminal. After receiving the TPX Logo panel, enter your user ID, followed by a slash (/) and your password. For example, if your user ID is USER1 and your password is ABCDEF, type the following to log on:

```
USER1/ABCDEF
```

Change Your Password

If you want to change your password, type a slash (/) and the new password immediately after your password. Using the previous example, if you want to change your password to 123456, type the following after receiving the TPX Logo panel:

```
USER1/ABCDEF/123456
```

Transfer from Another Terminal to LU1 Terminal

If you are transferring to the LU1 terminal from another terminal, you may have to enter a transfer option. For example, if you want to tell the software to abandon the transfer if all of your currently active sessions cannot be transferred, type the following after receiving the TPX Logo panel:

```
USER1/ABCDEF//N
```

Notice that you must include two slashes (//) after the password to skip the New Password field.

Switch Among Sessions from an LU1 Terminal

Because LU1 terminals do not support a command key (such as PF12), the product checks all of the input from the terminal for the command character. If a command character is encountered, the command that follows it is executed. If the `/sessID` command is encountered and `sessID` is a valid session ID, the product switches to that session. The screen image for the session you switch to is not displayed, but the product does display the following message to verify that the switch has been successful:

```
TPX1068: SWITCH SUCCESSFUL TO sessID
```

For example, if you want to switch to a session with a session ID of TSO1, type `/TSO1` and press Enter. Then, you will see the following message:

```
TPX1068: SWITCH SUCCESSFUL TO TSO1
```

Issue Commands from an LU1 Terminal

You can issue commands from an LU1 terminal with the exception of the `/B` and `/S` commands. Because LU1 terminals do not support a command key, such as PF12, the software checks all of the output from the terminal for the command character. If `/X` is found in the input, and the X is a valid command, the command is processed.

For example, to display the TPX Menu, enter the following command:

```
/W
```

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