

Connect:Direct[®] for VSE/ESA

User's Guide for CICS

Version 3.2

**Connect:Direct for VSE/ESA User's Guide for CICS
Version 3.2**

Second Edition

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About the Connect:Direct CICS Interface

The Connect:Direct product links technologies and moves all types of information between networked systems/computers. It manages high-performance transfers by providing such features as: automation, reliability, efficient use of resources, application integration, and ease of use. Connect:Direct software offers choices in communications protocols, hardware platforms, and operating systems. It provides the flexibility to move information among mainframes, midrange systems, desktop systems, and LAN-based workstations.

Understanding the Connect:Direct CICS Interface

The Connect:Direct CICS Interface helps you use the facilities of Connect:Direct through the Customer Information Control System (CICS) from local and remote sites. The system includes a set of nested menus, prompts for required information, online help facilities, and monitoring features for current status.

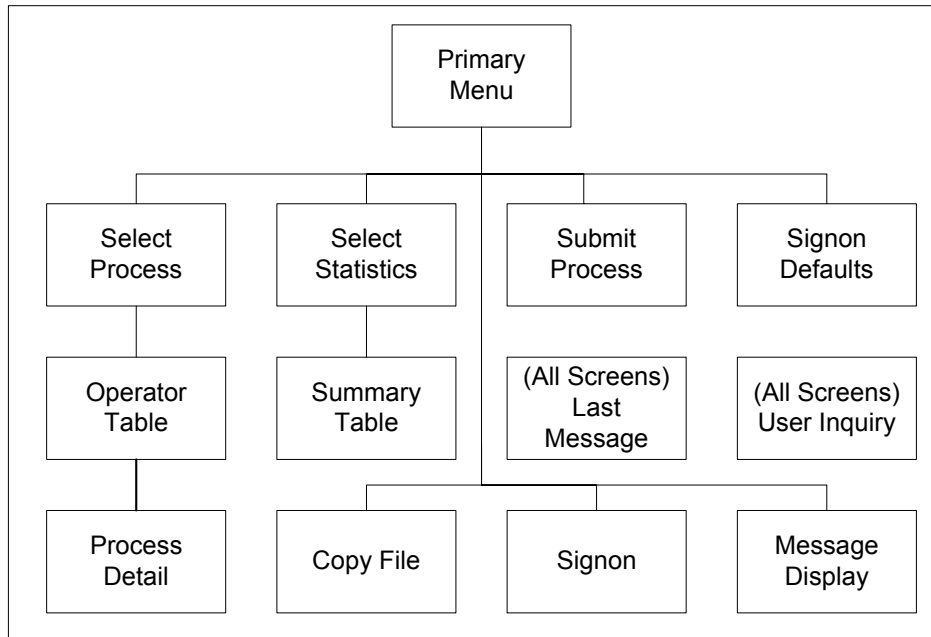
The Connect:Direct CICS Interface is an interactive user interface (IUI) to the data transmission facility (DTF) of Connect:Direct for VSE/ESA. Refer to the *Connect:Direct for VSE/ESA Installation Guide* and *Connect:Direct for VSE/ESA Administration Guide* for more information on Connect:Direct for VSE/ESA internal components.

Using Connect:Direct CICS Interface, you can do these operations:

- ◆ Copy files
- ◆ Submit Processes
- ◆ Select Processes
- ◆ Select and view statistics
- ◆ Display contents of Connect:Direct message file
- ◆ Signon to multiple Connect:Direct Data Transmission Facilities (DTFs)

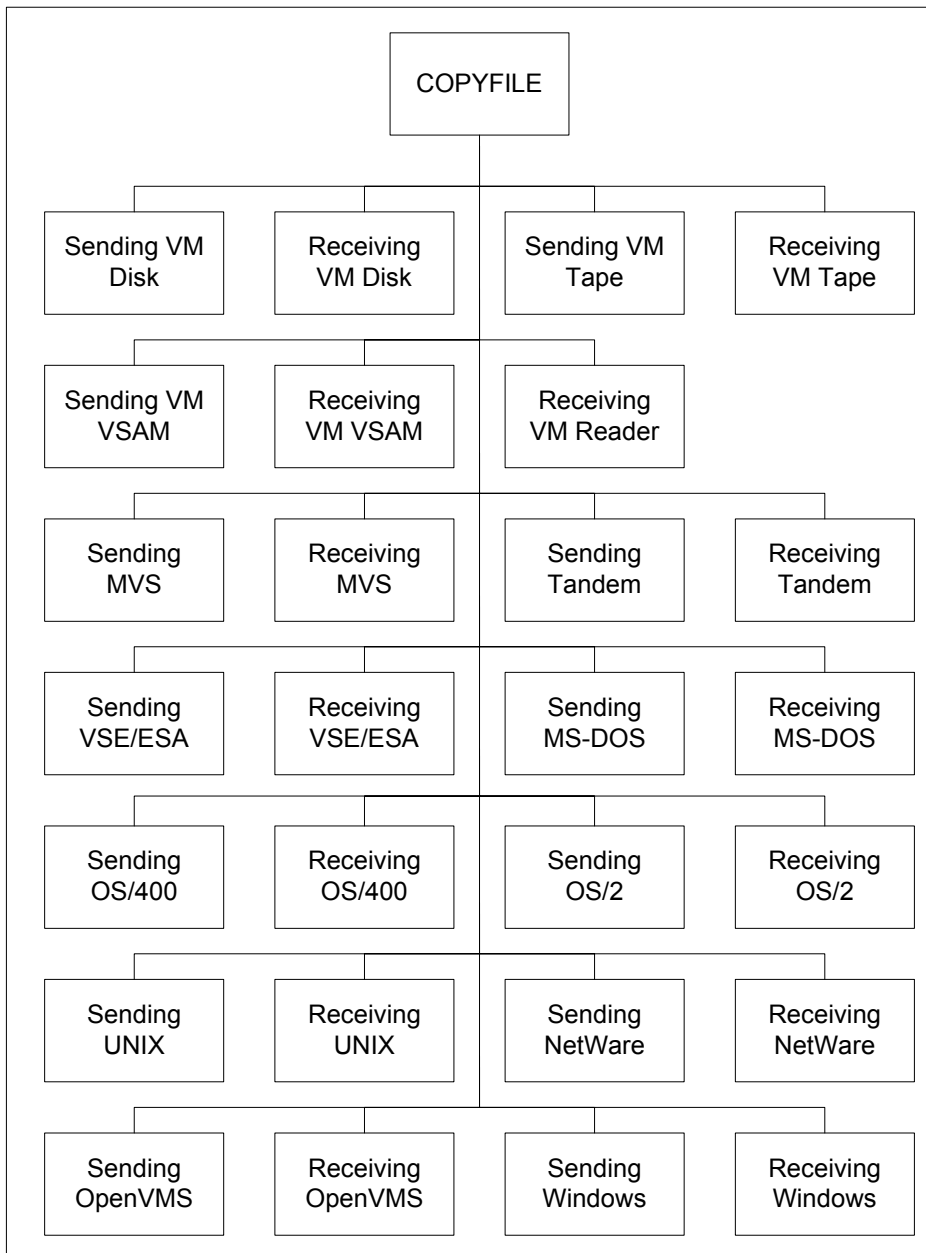
Connect:Direct CICS Interface User System Structure

The following figure details the structure of the Connect:Direct CICS Interface User System. You can access all of these functions from the PRIMARY MENU.



Note: The phrase *All Screens* above the *Last Message* and *User Inquiry* screens denotes that these screens are accessible from all other screens such as the *Primary Menu*, *Copy File Between Nodes*, and *Submit Process* screens.

The next diagram illustrates the COPYFILE functions you can do with Connect:Direct CICS Interface.



Using this menu structure, you can do the following features of the Connect:Direct CICS Interface:

- ◆ From the SIGNON screen, you can sign on to other Connect:Direct nodes, or you can sign on with a different USERID. If you use the auto-signon feature, the SIGNON screen does not display. Connect:Direct CICS Interface completes your signon automatically.
- ◆ From the PRIMARY MENU, you can choose the COPY FILE, SUBMIT PROCESS, SELECT PROCESS, SELECT STATISTICS, MESSAGE DISPLAY, SIGNON DEFAULTS, or CHANGE SIGNON screen.

- ◆ From the COPYFILE BETWEEN NODES screen, you can copy a file from one node to another, and you can specify a name for your new Process, a start time and date, and the sending and receiving nodes using a scrollable node list. As an alternative, you can enter the node name and environment directly.
- ◆ From the COPYFILE - SENDING and COPYFILE - RECEIVING screens, you can initiate Processes to send data from your node to any node or to receive data from any node to your node.
- ◆ From the SUBMIT PROCESS screen, you can submit existing Processes to Connect:Direct for execution of any valid Connect:Direct function.
- ◆ From the SELECT PROCESS screen, you can display or print a Process from the Transmission Control Queue (TCQ). You can also view execution characteristics of active Processes at summary (OPERATOR TABLE screen) or detailed (PROCESS DETAIL screen) levels.
- ◆ From the SELECT STATISTICS screen, you can display or print statistics from the log, and you can view statistics based upon the Process number and name, end date and time, and return code.
- ◆ From the MESSAGE DISPLAY screen, you can enter the message number, and you can see the message contents, the software module responsible for the message, and in some cases, details of system action and suggested response on your part.
- ◆ From the LAST MESSAGE screen, you can recall and view the last message you received during your use of Connect:Direct CICS Interface activities.
- ◆ From the SIGNON DEFAULTS screen, you can change your defaults used during signon, such as your default node, printer designation, Extended Submit Facility (ESF) usage, and accounting information for both sending and receiving nodes.
- ◆ From the USER INQUIRY screen, you can inquire about your user profile, including the Connect:Direct CICS Interface software version levels, your Connect:Direct and CICS USERIDs, your NODE, your CICS terminal ID and logical unit name, and your authorizations for use of Connect:Direct CICS Interface features.

User Screen Features

The 24 X 80 (V X H) characters of a standard IBM 3270 Model 2 display are the basis for all screens.

All variable data is highlighted. Variable fields contain underscore characters to indicate the size of each field. Required fields appear highlighted, and optional fields display at normal intensity.

Field	Description
Information Fields	Each screen in the user system contains information fields of various widths and attributes for user-entered data and for system-displayed data.

Field	Description
System Fields	As you perform your user activities, several system fields (TIME, ESF MODE, NODE, and MESSAGE) display with current information about your entered data, and update with system information and responses to your Processes.
TIME	The 8-character TIME field contains the system time expressed as hours, minutes, and seconds (HH:MM:SS) and occurs in the upper-right corner of the screen.
ESF MODE	The 8-character ESF MODE field occurs in the upper-right corner of the screen and contains the ESF MODE flag in the event that the Data Transmission Facility (DTF) is not working, and you are working under the Extended Submit Facility (ESF). If the field contains the flag ESF MODE, you are working under ESF; if the field is blank, you are working with the DTF. A blank field indicates normal operation. See the <i>User User Profile and Signon Defaults</i> on page 17 for more information on the ESF MODE.
NODE	The 16-character NODE field contains the name of your connected node, and it is in the upper-right corner of the screen.
MESSAGE	<p>The 75-character MESSAGE field occurs near the bottom of the screen, and it contains the system messages associated with the success or failure of your Connect:Direct CICS Interface activities. For more information about Connect:Direct CICS Interface messages that may occur during normal operations, refer to Appendix A, <i>Messages and Problem Isolation</i>.</p> <p>Note: Some messages issued by Connect:Direct CICS Interface are actually Connect:Direct for VSE/ESA messages (inquire with your administrator about the Connect:Direct message file, or select option MD from the PRIMARY MENU to exercise the MESSAGE DISPLAY screen features, or select PF2 to view the LAST MESSAGE screen).</p>
PF Keys	<p>For those screens that have programmable function (PF) keys defined, you can select standard PF keys to assist you in the performance of Connect:Direct CICS Interface activities, while you are at the current screen. You cannot redefine PF keys.</p> <p>PF1 takes you to available online help facilities for the current screen</p> <p>PF2 takes you to the LAST MESSAGE screen</p> <p>PF3 exits the current screen and takes you to the previous screen</p> <p>PF4 takes you to the PRIMARY MENU</p> <p>PF6 takes you to the USER INQUIRY screen</p> <p>PF7 scrolls backward through lists of available data displayed on the screen or takes you to the previous page</p> <p>PF8 scrolls forward through lists of available data displayed on the screen or takes you to the next page</p> <p>PF9 refreshes (updates) Connect:Direct CICS Interface resources with current data</p> <p>ENTER, with no action requested, refreshes the screen</p> <p>CLEAR resets the data on the screen to default values</p>
Help Facility	Online help facilities, available for all Connect:Direct CICS Interface screens, appear if you press PF1. Some help screens have several pages, and you can use either ENTER or PF7 and PF8 to scroll through the pages. If you press PF3, you return to the first page.

Signing On and Off

Connect:Direct CICS Interface requires that you use an IBM 3270 terminal or equivalent. After you install both CICS and Connect:Direct on your mainframe, you can begin using CICS functions. This chapter details how to get started with Connect:Direct CICS Interface.

Signing On

After you install the required software, you can begin using Connect:Direct CICS Interface. The first step in using the Connect:Direct CICS Interface system is to sign on.

The signing on process follows:

- ◆ Sign on to CICS, using the CSSN transaction.
- ◆ Sign on to Connect:Direct CICS Interface, using the Connect:Direct transaction. (The installation default transaction name is CD.)
- ◆ Complete the information prompted for SIGNON.

Using the STATUS ALERT Screen

If you attempt to use Connect:Direct CICS Interface without first signing on to CICS, the STATUS ALERT screen shown in the following figure displays. The STATUS ALERT MESSAGE near the center of the screen indicates a failure of your sign-on attempt. If you encounter this screen, press **PF3** to go to a blank screen with the message Connect:Direct TRANSACTION ENDED displayed in the upper-left corner. At this point, sign on to CICS, type in the Connect:Direct transaction, and press **ENTER** to go to the Connect:Direct CICS Interface PRIMARY MENU. The STATUS ALERT screen is shown in the following figure.

```

                                Connect:Direct for CICS STATUS ALERT                                10:14:20
* * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * *
                                You must sign on to CICS before using Connect:Direct for CICS
* * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * *

PF keys:  3   Exit   ENTER   Connect:Direct for CICS SIGNON

```

Note: If your SIGNON transaction definition has CICS security, RACF, CA-ACF2, or CA-TOP SECRET security, messages appear from the appropriate security facilities instead of the STATUS ALERT screen messages.

If Connect:Direct CICS Interface is not active, the STATUS ALERT screen appears with a message indicating that Connect:Direct is not active. In this case, you must activate the Connect:Direct CICS Interface product through the CDA transaction. (CDA is the installation default transaction name.)

Note: If your node is not active to Connect:Direct, either through the interface or through the node, you cannot sign on to that node. In any case, ask your administrator to activate your session, your interface, or your node. See the Connect:Direct for VSE/ESA Installation Guide for additional information.

Using the SIGNON Screen

The SIGNON screen shows prompts for your USER ID, PASSWORD, and NODE NAME. You must sign on to both CICS and Connect:Direct CICS Interface. The following figure shows the SIGNON screen.

```

                                Connect:Direct for CICS SIGNON                                10:13:12

                                USER ID   ==> XXXXX1
                                PASSWORD   ==>
                                NODE NAME  ==> NODE.NAME

                                Do you want all commands for this session to be CASE sensitive? ==> NO
                                PF keys:  1   Help   3   Exit

```

Entry Fields

The following fields prompt you for an entry.

Field	Description
USER ID	At this prompt, type in your user identification. The 64-character field accepts your Connect:Direct USER ID.
PASSWORD	At this prompt, type in your password. The 64-character field accepts your Connect:Direct PASSWORD. In order to maintain security, this field does not display.
NODE NAME	At this prompt, type in the name of the Connect:Direct node you are signing on. The 16-character field should contain the name of an active node.
CASE Sensitive	Answer this question to indicate whether you want to allow mixed case input. This option is available as a session default, and you can specify the option during SIGNON. You can override the specified default on commands that apply to USERID, PASSWORD, DATA SET NAME. When commands are submitted and YES is specified, Connect:Direct includes the CASE=YES parameter with your command. Note: CICS only interprets mixed case data if your terminal is defined to accept it. The CICS TCT TYPE definition must be defined with UCTRAN=NO for mixed case data to be input to Connect:Direct from a CICS terminal.

User Signon

The SIGNON screen is the first screen displayed, unless your authorization includes auto-signon or auto-resignon. You must enter the USER ID, PASSWORD, and NODE NAME information on this screen.

The Connect:Direct CICS Interface administrator has an option to force your Connect:Direct user identification to be the same as the CICS user identification. This feature supports security systems designed to use a single ID per user. When this option is set, Connect:Direct CICS Interface prefills the USER ID field on the signon screen with the CICS userid. The signon USER ID field is then protected from update.

The signon SN option also displays the SIGNON screen. You can sign on to a Connect:Direct node using signon information other than that specified in your user profile. You can sign on as desired without updating your user profile.

User Profile and Signon Defaults

You can use the Connect:Direct CICS Interface Signon Defaults (SD) menu option to enter your signon defaults, which are stored in your user profile and used for subsequent access. The administrator can also assign your user profile information. If you are authorized for auto-signon, you can bypass the Connect:Direct signon screen by providing signon defaults for the following user profile or signon default information:

- ◆ CICS userid
- ◆ Connect:Direct userid
- ◆ Connect:Direct password
- ◆ Default Connect:Direct DTF node
- ◆ ESF authorization

- ◆ Uppercase for print
- ◆ Print destination type (CICS printer)
- ◆ Print destination name
- ◆ CASE sensitive
- ◆ PNODE accounting data
- ◆ SNODE accounting data

Note: User profile information is keyed by CICS userid.

Auto-Signon

If you are authorized for auto-signon, the SIGNON screen displays with an IN PROGRESS message. Connect:Direct uses information stored in your user profile to complete the signon process. If you are not authorized for auto-signon or your user profile does not contain signon information, then Connect:Direct signon must be accomplished through the signon screen.

Note: The CICS USER ID key accesses profile information even when the CICS USER ID is not identical to the Connect:Direct USERID.

Resignon

If configured for resignon, Connect:Direct CICS Interface will automatically resignon users who are returning to Connect:Direct CICS Interface, after exiting Connect:Direct for CICS to use other CICS transactions. Resignon is canceled when you sign off CICS.

Note: When you attempt to reenter Connect:Direct CICS Interface IUI, your userid and password are reverified by the DTF.

Multiple Terminal Signon

By using the SN signon option, you can sign on to multiple Connect:Direct nodes by signing on to multiple CICS terminals. This feature is only a convenience, not a multiple signon. If you sign on to multiple terminals, only the latest DTF signon authorization rules apply and are used for all terminals where you previously signed on. This procedure is done in case the administrator changes your authorization.

Changing Your Signon

To change your signon, select option **SN** from the PRIMARY MENU, and press **ENTER** to go to the SIGNON screen. Once at the SIGNON screen, you can go to another session in the same environment or go to a different environment by performing the following tasks:

- ◆ Type in your USER ID
- ◆ Type in your PASSWORD
- ◆ Type in the NODE NAME of the node you want to sign on
- ◆ Press **ENTER**

Signing Off

The signoff sequence consists of the following steps:

- ◆ Press **PF3** repeatedly until you reach the PRIMARY MENU, or press **PF4** once from your current screen to go to the PRIMARY MENU
- ◆ Press **PF3** once more, and you go to a blank screen with the message – **Connect:Direct TRANSACTION ENDED** – displayed in the upper-left corner.
- ◆ Type **CSSF LOGOFF**, and press **ENTER**.
- ◆ View the message, **DFH2206I - SIGN-OFF IS COMPLETE**, which displays briefly.

Using the Primary Menu

The PRIMARY MENU, the root menu of the Connect:Direct CICS Interface menu structure, is the access key to all features of Connect:Direct CICS Interface:

- ◆ COPY FILE
- ◆ SUBMIT PROCESS
- ◆ SELECT PROCESS
- ◆ SELECT STATISTICS
- ◆ MESSAGE DISPLAY
- ◆ SIGNON DEFAULTS
- ◆ CHANGE SIGNON

Using the PRIMARY MENU

The PRIMARY MENU displays a list of authorized functions based on Connect:Direct function authorization for each user. The administrator can globally restrict these functions in the system CONFIGURATION file, so some of the options may be unavailable to you. Under Extended Submit Facility (ESF) operation, the only available options are the submit and utility options. The following figure presents the PRIMARY MENU screen.

```
Connect:Direct for CICS PRIMARY MENU                                15:52:53
                                                                    NODE.NAME
OPTION ==> ___
                CF COPY FILE
                SB SUBMIT PROCESS
                SP SELECT PROCESS
                SS SELECT STATISTICS
                MD MESSAGE DISPLAY
                SD SIGNON DEFAULTS
                SN CHANGE SIGNON

SAFA000I - NDM signon process completed.
PF keys:  1 Help   2 Msg   3 Exit  6 Id
```

Options

Use this 2-character field to specify your selection from the following list:

Field	Description
CF	Type CF and press ENTER to go to the COPY FILE BETWEEN NODES screen.
SB	Type SB and press ENTER to go to the SUBMIT PROCESS screen.
SP	Type SP and press ENTER to go to the SELECT PROCESS screen.
SS	Type SS and press ENTER to go to the SELECT STATISTICS screen.
MD	Type MD and press ENTER to go to the MESSAGE DISPLAY screen.
SD	Type SD and press ENTER to go to the SIGNON DEFAULTS screen.
SN	Type SN and press ENTER to go to the CHANGE SIGNON screen.

Copying Files

When you select COPYFILE from the PRIMARY MENU, the COPYFILE BETWEEN NODES screen displays numerous options for your copy operation. This chapter details each of those options by presenting the screen and defining its fields.

Using the COPYFILE BETWEEN NODES Screen

You can use the COPYFILE BETWEEN NODES screen to specify general information for your copy file operation, such as the sending and receiving nodes, the start time, and the start date. To access the COPYFILE BETWEEN NODES screen shown in the following figure, select option **CF** on the PRIMARY MENU screen and press **ENTER**.

COPYFILE BETWEEN NODES			15:34:14
			NODE.NAME
	NODE NAME	DESCRIPTION	
01	MSDOS.NODE	- MS-DOS NODE	
02	MVS.NODE	- MVS NODE	
03	VSE.NODE	- VSE NODE	
04	OS2.NODE	- OS/2 NODE	
05	OS400.NODE	- OS/400 NODE	
06	MVS.NODE	- MVS DTF	
07	TANDEM.NODE	- TANDEM NODE	
08	UNIX.NODE	- UNIX NODE	
09	VM.NODE	- VM NODE	
10	VMS.NODE	- VMS NODE	
11	WINDOWSNT.NODE	- WINDOWS NT NODE	
SENDING NODE NUMBER => ___ or NODE NAME=> _____			ENV=> _____
RECEIVING NODE NUMBER=> ___ or NODE NAME=> _____			ENV=> _____
PF keys: 1 Help 2 Msg 3 Exit 4 Menu 6 Id 7 Bwd 8 Fwd			

The top half of this screen presents a scrollable list of the Connect:Direct nodes that can participate in a COPY Process (as defined in the configuration file by the administrator). The list consists of a symbolic node name, a descriptive node name, and a node selection number.

You specify the sending and receiving nodes by selecting the corresponding node selection numbers. The highlighted node in the list is the current node (as determined from the network map). You can select the current node as the sending default node or receiving default node. You can save the node choice numbers and redisplay them the next time the user enters this screen.

If the desired node is not on the list (not defined in the configuration file), then you must enter both the copy node name(s) and environment type(s). If the node that you are looking for does not display, then press **PF8** to scroll the data forward and press **PF7** to scroll the data backward. Connect:Direct highlights the node that you are signed on, and your node must be one of the nodes that participate in a COPY Process.

Note: The system administrator can add nodes to the scrollable list through the CDA transaction. Refer to the *Connect:Direct for VSE/ESA Administration Guide* for details on this transaction. Instead of selecting a node number from the scrollable list you can type in the node name and environment directly.

System Fields

The first COPYFILE BETWEEN NODES screen contains the following system fields:

Field	Description
NODE DESCRIPTION	This 36-character field contains the node description of the nodes available in the NETWORK NODE list. See the <i>Connect:Direct for VSE/ESA Administration Guide</i> for more information about the NETWORK NODE list. Eleven of these fields occur in a column down the screen to the right of the NODE NUMBER AND NAME dual field.
PROCESS NUMBER YYYYYY	This field contains the system-generated assignment of a Process number to a COPYFILE operation. This field displays after the submission of the COPYFILE Process, and a PROCESS NUMBER YYYYYY message displays, where YYYYYY is the number assigned to your Process.

Entry Fields

The COPYFILE BETWEEN NODES screen contains the following entry fields:

Note: When you specify a sending node or a receiving node, you can use either the number from the scrollable list or the node name and the environment. If you do not provide this information, the node that you are currently signed on becomes the default. The ENV field updates automatically when you enter the node number or node name from the scrollable list, but the ENV field must be filled in manually if the node name is not in the list.

Field	Description
SENDING NODE NUMBER	This 2-character field contains the sending node number. The scrollable field to the left of the node name fields lists the associated node numbers. If you specify neither, the sending node defaults to the node you are signed on. When you identify the sending node and press ENTER, the environment field displays the appropriate sending computer system.
SENDING NODE NAME	This 16-character field contains the sending node name.
SENDING ENV	This 8-character field contains the sending environment. If you do not select from the list, you must specify the environment. Valid sending environments for Connect:Direct CICS Interface are MS-DOS, MVS, VSE, VM, OpenVMS, Tandem, OS/2, OS/400, UNIX, NetWare, and Windows (Windows NT).
RECEIVING NODE NUMBER	This 2-character field contains the receiving node number. The scrollable field to the left of the node name fields lists the associated node numbers. If you specify neither, the receiving node defaults to the node you are signed on. When you identify the receiving node and press ENTER, the environment field displays the appropriate receiving computer system.
RECEIVING NODE NAME	This 16-character field contains the receiving node name.
RECEIVING ENV	This 8-character field names the receiving environment. Valid receiving environments for Connect:Direct CICS Interface are MS-DOS, MVS, VSE/ESA, VM, OpenVMS, Tandem, OS/2, OS/400, UNIX, NetWare, and Windows (Windows NT).

The next panel displays when you press **ENTER**:

```

                                COPYFILE BETWEEN NODES                                15:36:47
                                                                                   NODE.NAME

SENDING NODE NUMBER => VSE.NODE          ENV=> VSE
RECEIVING NODE NUMBER=> MVS.NODE        ENV=> MVS

NEW PROCESS NAME=> COPYCF__
CLASS           => ____ (NUMERIC)
HOLD            => N    (Y, N, or C-Call)
PRIORITY       => ____ (RANGE: 0 to 15)
QUEUE         => N    (Y or N)
RETAIN on TCQ  => N    (Y, N, OR I-Initial)
START DATE     => _____ (MMDDYYYY) START TIME=> _____ (HH:MM:SSXM)
CHECKPOINT     => _____ (BYTE INTERVAL - nK|nM)
COMPRESS       => N____ (Y, N, X-Extended, X'xx', or C'c')

OVERRIDE SECURITY=> N    (Y or N)

Do you want values for this copy to be CASE sensitive? ==> NO

PF keys:  1 Help  2 Msg  3 Exit  4 Menu  6 Id

```

System Fields

The second COPYFILE BETWEEN NODES screen contains the following system fields:

Field	Description
SENDING NODE NUMBER AND NAME	This dual field contains the node number and node name of the nodes in the NETWORK NODE list. See the <i>Connect:Direct for VSE/ESA Administration Guide</i> for information about the NETWORK NODE list. Eleven of these dual fields occur in a column down the screen. The node number field is 2-characters wide, and the node name field is 16-characters long.
RECEIVING NODE NUMBER AND NAME	This dual field contains the node number and node name of the nodes in the NETWORK NODE list. See the <i>Connect:Direct for VSE/ESA Administration Guide</i> for information about the NETWORK NODE list. Eleven of these dual fields occur in a column down the screen. The node number field is 2-characters wide, and the node name field is 16-characters long.

Entry Fields

The fields displayed on the screen allow you to enter the following parameters of the SUBMIT command:

- ◆ NEW PROCESS NAME
- ◆ CLASS
- ◆ HOLD
- ◆ PRIORITY
- ◆ QUEUE
- ◆ RETAIN ON TCQ

Press the **PF1** key for online help with field content. Detailed descriptions of these parameters are in Chapter 5, *Submitting Processes*.

Descriptions for the fields that are not parameters of the SUBMIT command follow:

Field	Description
NEW PROCESS NAME	This optional, 8-character field contains your selection for a new Process name to be assigned to the COPYFILE operation. If you do not enter a Process name, Connect:Direct provides the default name <i>COPYCF</i> .
START DATE	This eight-character field contains the starting date for the COPYFILE Process expressed as month, day, and year (MMDDYYYY). If you leave this field blank, the COPYFILE Process takes place on the current date. Fill in this field to start the COPYFILE Process at some future date.

Field	Description
START TIME	This 10-character field contains the starting time for the COPYFILE Process expressed as hours, minutes, and seconds, AM or PM (HH:MM:SSXM). The default is a 24-hour clock. If you use a 12-hour clock, you must specify AM or PM. The starting time works in conjunction with the starting date, but the field is optional. If you do not specify a time or a date, the COPYFILE Process takes place immediately. If you specify START DATE but no START TIME, the COPYFILE Process defaults to 12:00 AM on the specified date. Use this field to start the COPYFILE Process at some future time.
CHECKPOINT	The CHECKPOINT field specifies the byte interval for checkpoint support, which allows restart of interrupted transmissions at the last valid transmission point. This feature avoids the need to restart transmission from the beginning. K denotes thousands; M denotes millions. A checkpoint value of zero stops automatic checkpointing. For a complete description of this parameter, see the Connect:Direct Processes Web site at www.sterlingcommerce.com/Documentation/processes/processhome.html .
COMPRESS	The COMPRESS field specifies that Connect:Direct is to compress the data. This feature reduces the amount of data transmitted as the file copies from one node to another. Connect:Direct automatically decompresses the file at its destination. The default subparameter for the COMPRESS parameter is PRIMEchar=X'40'. For a complete description of this parameter, see the Connect:Direct Processes Web site at www.sterlingcommerce.com/Documentation/processes/processhome.html .
OVERRIDE SECURITY	If you wish to enter security information such as userid and password, enter a Y at the Override Security prompt. The Security Override screen description begins on page 74.
CASE Sensitive	Following this question, indicate whether you want to allow mixed case input. This option is available as a session default, and you can specify the option during SIGNON. You can override the specified default on commands that apply to USERID, PASSWORD, DATA SET NAME. When you submit commands with YES specified, Connect:Direct includes the CASE=YES parameter with your command. Note: CICS only interprets mixed case data if your terminal is defined to accept it. The CICS TCT TYPE definition must be defined with UCTRAN=NO for mixed case data to be input to Connect:Direct from a CICS terminal.

Sending and Receiving Files

Separate SENDING FILE and RECEIVING FILE screens, tailored for each environment, display following the main CF node selection screen. The RECEIVING FILE screen follows the SENDING FILE screen in the flow hierarchy. The SENDING and RECEIVING node names are prefilled (field protect mode) on each of the respective COPYFILE screens.

Customized SENDING and RECEIVING FILE screens are available for each of the Connect:Direct supported environments (MS-DOS, MVS, NetWare, OS/2, OS/400, VSE/ESA, Tandem, UNIX, VM, OpenVMS, and Windows NT). The appropriate customized copy screen displays according to your selections on the COPYFILE BETWEEN NODES screen. Connect:Direct completes the SENDING and RECEIVING node names (field protect mode) on the respective COPYFILE screens.

You must specify the SENDING file name on the SENDING CF screen as well as the RECEIVING FILE name on the RECEIVING CF screen. You only enter the receiving file name if it is different from the sending file name.

When SENDING and RECEIVING file screens are properly filled with required information, Connect:Direct builds a COPY Process. The IUI then submits the COPY Process to the connected DTF. The connected DTF is the DTF you specified on the Connect:Direct CICS Interface signon. A process submitted message displays after the Process is successfully submitted to the DTF. The SELECT STATISTICS or SELECT PROCESS options permit you to view COPY Process status within the Connect:Direct DTF.

Note: An IUI COPYFILE process cannot be directly stored in the Connect:Direct Process library for future recall and execution.

Copying a File Between Nodes

To copy a file between nodes, type **CF** on the PRIMARY MENU and press **ENTER** to go to the COPYFILE BETWEEN NODES screen. All examples require the following items:

- ◆ You must have authorization perform COPY Processes on all nodes.
- ◆ You must have access to the appropriate files on all nodes.
- ◆ All nodes must be active.
- ◆ All interfaces must be started.

See the Connect:Direct Processes Web site at www.sterlingcommerce.com/Documentation/processes/processhome.html for detailed information on how to write a COPY Process.

Copying a File from Your Node to Your Node

You can use Connect:Direct to copy a file from your node to your node by performing the following tasks:

1. Select **CF** from the PRIMARY MENU and press **ENTER** to go to the COPYFILE BETWEEN NODES screen.

Note: This example uses a VSE/ESA node signon. Ensure that your node name displays in the node list at the top of the screen. If it does not display, then ask the administrator to start your node on the network. Alternatively, you can type in your node number, node name, and environment directly.

2. Type in your node number in the SENDING NODE NUMBER field.
3. Type in your node number in the RECEIVING NODE NUMBER field.
4. Press **ENTER**.

5. After receiving the prompt **PRESS ENTER TO CONTINUE**, ensure that all your entries are correct and press **ENTER**.
6. Assuming the sending file is cataloged, on the COPYFILE - SENDING FILE (VSE) screen, type in the sending dsname, CUU, and DCB information and press **ENTER**.
7. On the COPYFILE - RECEIVING FILE (VSE) screen, type in the receiving dsname, unit, volume, record format, record size, block size, starting track address, extent size, and disposition information.
8. Press **ENTER**.
9. When the Process submits to Connect:Direct, the COPYFILE BETWEEN NODES screen redisplay, and the **PROCESS NUMBER XXXXXX** message displays toward the bottom right of the screen. (*XXXXXX* is a decimal number.)
10. Press **PF4** to go to the PRIMARY MENU.
11. Select option **SP** to go to the SELECT PROCESS screen to check on the status of your Process.
12. On the SELECT PROCESS screen, select option **O** for OPERATOR TABLE, then select **A** for all queues. Type in the PROCESS NUMBER you observed from the COPYFILE BETWEEN NODES screen, and press **ENTER** to display the status.

Using the COPYFILE - SENDING FILE (VSE) Screen

You can use the COPYFILE - SENDING FILE (VSE) screen to identify a sending file that resides on a VSE node. The COPYFILE - SENDING FILE (VSE) screen displays as shown in the following figure.

To access the Connect:Direct CICS Interface COPYFILE - SENDING FILE (VSE) screen, you must specify a VSE sending node on the COPYFILE BETWEEN NODES screen.

```

                                COPYFILE - SENDING FILE (VSE)                                16:24:50
                                                                                          NODE.NAME

SENDING NODE    =>  VSE.NODE

SENDING DSNAME  =>  _____
UNIT           =>  ( _____ ) OR CUU
VOLUME         =>  ( _____ )
DCB            =>  ( _____ )

SYSOPTS        =>  " _____
                _____
                _____
                _____

VSAM ONLY:
CATALOG NAME   =>  _____
CATALOG UNIT   =>  _____

PF keys:  1 Help  2 Msg  3 Exit  4 Menu  6 Id
    
```

System Field

The COPYFILE - SENDING FILE (VSE) screen contains the following system field:

Field	Description
SENDING NODE	This 16-character field contains the name of the sending node.

Entry Fields

The COPYFILE - SENDING FILE (VSE) screen contains the following entry fields:

Field	Description
SENDING DSNAME	This 44-character field contains the name of the sending file. Connect:Direct requires this field.
UNIT or CUU	This 8-character field contains the class or type of device where the sending file resides. If you do not specify a CUU, Connect:Direct requires a unit to be specified.
VOLUME	This optional field specifies the volume serial number(s) containing the file and optional processing associated with the file. If you do not specify this field, you must catalog the data set. Specify subparameters separated by commas as shown in the following example: RETAIN, SER=111111
DCB	This 55-character field contains the data set control block information of the sending file.

Field	Description
SYSOPTS	This optional field specifies system operation parameters. You can include any Connect:Direct COPY statement SYSOPTS subparameters.
VSAM CATALOG NAME	This 44-character field contains the name of the VSAM catalog where the sending file resides. If the sending file is a VSAM file that does not reside on the default user catalog (IJSYSUC), Connect:Direct requires this field.
VSAM CATALOG UNIT	This 3-character field contains the unit address of the device where the VSAM catalog resides. If you specify the VSAM CATALOG NAME, you must complete the VSAM catalog unit.

Using the COPYFILE - RECEIVING FILE (VSE) Screen

You can use the COPYFILE - RECEIVING FILE (VSE) screen to identify a receiving file that resides on a VSE/ESA node. The COPYFILE - RECEIVING FILE (VSE) screen displays as shown in the following figure.

To access the COPYFILE - RECEIVING FILE (VSE) screen, you must specify a VSE/ESA receiving node on the COPYFILE BETWEEN NODES screen.

```

                                COPYFILE - RECEIVING FILE (VSE)                                16:19:45
                                                                                          NODE.NAME

RECEIVING NODE    =>  VSE/ESA.NODE

RECEIVING DSNAME =>  _____
UNIT              =>  _____ (OR CUU)
VOLUME            =>  ( _____ )
RECSIZE           =>  _____ BLKSIZE => _____ DSORG => PS_____ RECFORM => _____
STARTING TRK=>    _____ EXTENT SIZE => _____
DISP              =>  ( NEW , KEEP )
LABEL             =>  ( _____ )
TYPEKEY           =>  _____
SYSOPTS           =>  " _____
                  _____
                  _____
                  _____
                  _____ "

VSAM ONLY:
CATALOG NAME=>    _____
CATALOG UNIT=>    _____

PF keys:  1 Help   2 Msg   3 Exit  4 Menu  6 Id

```

System Field

The COPYFILE - RECEIVING FILE (VSE) screen contains the following system field:

Field	Description
RECEIVING NODE	This 16-character field contains the name of the receiving node.

Entry Fields

The COPYFILE - RECEIVING FILE (VSE) screen contains the following entry fields:

Field	Description
RECEIVING DSNAME	This 44-character field contains the name of the file for receiving. The file can be new or already allocated. Connect:Direct requires this field.
CATALOG NAME	This 44-character field contains the name of the VSAM catalog where the receiving file will reside. If the receiving file is a VSAM file that does not reside on the default user catalog (JSYSUC), Connect:Direct requires the field.
CATALOG UNIT	This 3-character field contains the unit address of the device where the VSAM catalog resides. If you specified the VSAM CATALOG NAME, you must complete this field.

New Files Only

Field	Description
UNIT (OR CUU)	This 8-character field contains the class or type of device where the receiving file will reside. You can specify CUU in this field.
VOLUME	This optional field specifies the volume serial number(s) containing the file and optional processing associated with the file. If you do not specify this field, you must catalog the data set. Specify subparameters separated by commas as shown in the following example: RETAIN, SER=111111
RECSIZE	This 5-character field contains the length in bytes of records in the receiving file. The field is optional.
BLKSIZE	This 5-character field contains the block size in bytes for the receiving file. This field is optional.
DSORG	This field specifies the data set organization of the receiving file; for example, PS for physical sequential.
RECFORM	This 8-character field contains the record format of the receiving file, and the field is optional. Currently, the valid RECFORMs are as follows: FIXED, FIXBLK, VARUNB, VARBLK, SPUNB, SPNBLK, and UNDEF.

Field	Description
STARTING TRK	This 5-character field contains the number of the starting track address for your VSE/ESA disk extent where the new file will reside. Connect:Direct requires this field if your file will not reside in space controlled by a disk manager catalog (UNIT specification not DLBONLY).
EXTENT SIZE	This 5-character field contains the number of tracks in your extent where the new file will reside. Connect:Direct requires this field if your file will not reside in space controlled by a disk manager catalog (UNIT specification not DLBONLY).
DISP	This dual field contains the disposition of the receiving file. The field is optional; the default is (NEW, CATLG).
LABEL	This optional field specifies label information for tape data sets. Specify subparameters separated by commas as shown in the following example: 1, NL, RETPD=100_____
TYPEKEY	This field specifies the member name of the type defaults file containing the file attribute defaults for the destination data set.
SYSOPTS	This optional field specifies system operation parameters. You can include any Connect:Direct COPY statement SYSOPTS subparameters.

Using the COPYFILE - SENDING FILE (MVS) Screen

You can use the COPYFILE - SENDING FILE (MVS) screen to identify the sending file from an MVS node and to restrict single or multiple partitioned data set members for sending by way of selection criteria.

When you specify the sending node as an MVS node on the COPYFILE BETWEEN NODES screen and press **ENTER**, the COPYFILE - SENDING FILE (MVS) screen displays as shown in the following figure.

```

                                COPYFILE - SENDING FILE (MVS)                                10:37:17
                                                                NODE.NAME

SENDING NODE      =>  MVS.NODE

SENDING DSNAME    =>
UNIT              => ( _____ )
VOLUME           => ( _____ )

SYSOPTS          => " _____
                  _____
                  _____
                  _____ "

PDS ONLY:
SELECTION CRITERIA => _____
                  => _____
                  => _____
                  => _____

REPLACE          =>  N   (Y OR N)

PF keys:  1 Help   2 Msg   3 Exit  4 Menu  6 Id
    
```

System Field

The COPYFILE - SENDING FILE (MVS) screen contains the following system field:

Field	Description
SENDING NODE	This 16-character field contains the name of the sending node.

Entry Fields

The COPYFILE - SENDING FILE (MVS) screen contains the following entry fields:

Field	Description
SENDING DSNAME	This required 44-character field contains the name of the file being sent.
UNIT	This 32-character field contains the generic or specific type of device where the sending file resides. If the sending file is not cataloged, you must complete this field.
VOLUME	This optional field specifies the volume serial number(s) containing the file and optional processing associated with the file. If you do not specify this field, you must catalog the data set. Specify subparameters separated by commas as shown in the following example: RETAIN, SER=111111

Field	Description
SYSOPTS	This optional field specifies system operation parameters. You can include any Connect:Direct COPY statement SYSOPTS subparameters.
SELECTION CRITERIA	This field contains the selection ranges and wild card symbols used for including members of a partitioned data set for sending. The field is optional. The default is to send all PDS members. The field consists of four lines of 39 characters where the PDS selection criteria can be entered and arranged.
REPLACE	This 1-character field contains the Y or N toggle. Use this field to specify whether like-named PDS members on the receiving system are to be replaced (Y) or not to be replaced (N). The default is N.

Using the COPYFILE - RECEIVING FILE (MVS) Screen

You can use the COPYFILE - RECEIVING FILE (MVS) screen to identify a receiving file that resides on an MVS node.

To access the COPYFILE - RECEIVING FILE (MVS) screen, you must specify an MVS node as the receiving node on the COPYFILE BETWEEN NODES screen as shown in the following figure.

```

                                COPYFILE - RECEIVING FILE (MVS)                                10:40:52
                                                                                          NODE.NAME

RECEIVING NODE    =>  MVS.NODE

RECEIVING DSNAME =>  _____

DISP    => ( NEW , CATLG )
UNIT    => ( _____ )
VOLUME  => ( _____ )
DCB     => ( _____ )
LABEL   => ( _____ )
SPACE   => ( _____ )

TYPEKEY=> _____

SYSOPTS=> " _____
          _____
          _____
          _____ "

PF keys:  1 Help   2 Msg   3 Exit  4 Menu  6 Id

```

System Field

The COPYFILE - RECEIVING FILE (MVS) screen contains the following system field:

Field	Description
RECEIVING NODE	This 16-character field contains the name of the receiving node.

Entry Fields

The COPYFILE - RECEIVING FILE (MVS) screen contains the following entry fields:

Field	Description
RECEIVING DSNAME	This 44-character field contains the name of the receiving file. The file can be new or already allocated. Connect:Direct requires this field.

New Files Only

Field	Description
DISP	This dual field contains the disposition of the receiving file. The first portion of the field is three characters wide, and contains the status of the receiving file (the default is NEW). The second portion of the field is five characters wide, and contains the allocation of the receiving file (the default is CATLG). The field is optional.
UNIT	This 32-character field contains the type of device where the receiving file will reside. You must complete this field only if you want to put the file on a specific unit.
VOLUME	This optional field specifies the volume serial number(s) containing the file and optional processing associated with the file. If you do not specify this field, you must catalog the data set. Specify subparameters separated by commas as shown in the following example: RETAIN, SER=111111
DCB	This 61-character field contains the Data Control Block (DCB) attributes for the receiving file. The field is optional and defaults to the information copied from the sending file.
LABEL	This optional field specifies label information for tape data sets. Specify subparameters separated by commas as shown in the following example: 1,NL,RETPD=100_____
SPACE	This 30-character field contains the space attributes for the receiving file.
TYPEKEY	This field specifies the member name of the type defaults file containing the file attribute defaults for the destination data set.
SYSOPTS	This optional field specifies system operation parameters. You can include any Connect:Direct COPY statement SYSOPTS subparameters.

Using the COPYFILE - SENDING FILE (VM) TAPE FILE Screen

You can use the COPYFILE - SENDING FILE (VM) TAPE FILE screen to identify a sending tape file that resides on a VM node. The COPYFILE - SENDING FILE (VM) TAPE FILE screen displays as shown in the following figure.

To access the COPYFILE - SENDING FILE (VM) TAPE FILE screen you must perform the following steps:

1. Specify a VM sending node on the COPYFILE BETWEEN NODES screen.
2. Request **T** for the TYPE OF FILE on the COPYFILE - SENDING FILE (VM) DISK FILE screen that displays after you complete the information on the COPYFILE BETWEEN NODES screen.

```

                                COPYFILE -- SENDING FILE (VM)          10:45:19
                                TAPE FILE                               NODE.NAME

SENDING NODE =>  VM.NODE

TYPE OF FILE =>  T   (D=DISK, V=VSAM, T=TAPE)

                                TAPE FILE INFORMATION

TAPE DSN=>

UNIT   => ( _____ )
VOLUME => ( _____ )
DCB    => ( _____ )

PF keys:  1 Help  2 Msg  3 Exit  4 Menu  6 Id

```

System Field

The COPYFILE - SENDING FILE (VM) TAPE FILE screen contains the following system field:

Field	Description
SENDING NODE	This 16-character field contains the name of the sending node.

Entry Fields

The COPYFILE - SENDING FILE (VM) TAPE FILE screen contains the following entry fields:

Field	Description
TYPE OF FILE	This 1-character field contains the type of file for sending. The field is optional, and the default is T (for tape files). To override the default, simply type D (for disk files), or V (for VSAM files) in this field.

Tape File Information

Field	Description
TAPE DSN	This required 44-character field contains the name of the sending tape file.
UNIT	This required 32-character field contains the unit address of the tape device where the sending file resides.
VOLUME	This optional field specifies the volume serial number(s) containing the file and optional processing associated with the file. If you do not specify this field, you must catalog the data set. Specify subparameters separated by commas as shown in the following example: RETAIN, SER=111111
DCB	This 61-character field contains the Data Control Block (DCB) attributes for the receiving file. The field is optional and defaults to the information copied from the sending file.

Using the COPYFILE - RECEIVING FILE (VM) TAPE FILE Screen

You can use the COPYFILE - RECEIVING FILE (VM) TAPE FILE screen to identify a receiving tape file that resides on a VM node. This COPYFILE - RECEIVING FILE (VM) TAPE FILE screen displays as shown in the following figure.

To access the Connect:Direct CICS Interface COPYFILE - RECEIVING FILE (VM) TAPE FILE screen, you must perform the following steps:

1. Specify a VM receiving node on the COPYFILE BETWEEN NODES screen
2. Request **T** for the TYPE OF FILE on the COPYFILE - RECEIVING FILE (VM) DISK FILE screen that displays after you complete the information on the COPYFILE BETWEEN NODES screen

```

                                COPYFILE -- RECEIVING FILE (VM)          10:48:01
                                TAPE FILE                                NODE.NAME

RECEIVING NODE => VM.NODE

TYPE OF FILE   => T   (R=READER, D=DISK, V=VSAM, T=TAPE)

TAPE DSN=> _____

UNIT   => ( _____ )
VOLUME => ( _____ )
DCB    => ( _____ )
DISP   => NEW

PF keys:  1 Help   2 Msg   3 Exit  4 Menu  6 Id

```

System Field

The COPYFILE - RECEIVING FILE (VM) TAPE FILE screen contains the following system field:

Field	Description
RECEIVING NODE	This 16-character field contains the name of the receiving node.

Entry Fields

The COPYFILE - RECEIVING FILE (VM) TAPE FILE screen contains the following entry fields:

Field	Description
TYPE OF FILE	This 1-character field contains the type of file for receiving. The field is optional, and the default is T. To override the default, you can enter R (for reader files), D (for disk files), or V (for VSAM files).

Tape File Information

Field	Description
TAPE DSN	This required 44-character field contains the name of the receiving tape file.
UNIT	This required 32-character field contains the unit address of the tape device where the receiving file will reside.

Field	Description
VOLUME	This optional field specifies the volume serial number(s) containing the file and optional processing associated with the file. If you do not specify this field, you must catalog the data set. Specify subparameters separated by commas as shown in the following example: RETAIN, SER=111111
DCB	This 64-character field contains the Data Control Block (DCB) attributes for the receiving file. The field is optional and defaults to the information copied from the sending file.
DISP	This 3-character field contains the disposition of the receiving file. The field is optional, and the default is NEW.

Using the COPYFILE - SENDING FILE (VM) DISK FILE Screen

You can use the COPYFILE - SENDING FILE (VM) DISK FILE screen to identify a sending disk file that resides on a VM node. The COPYFILE - SENDING FILE (VM) DISK FILE screen displays as shown in the following figure.

To access the COPYFILE - SENDING FILE (VM) DISK FILE screen, you must perform the following steps:

1. Specify a VM sending node on the COPYFILE BETWEEN NODES screen.
2. Request **D** for the type of file on the COPYFILE - SENDING FILE (VM) DISK FILE screen that displays after you complete the information on the COPYFILE BETWEEN NODES screen.

Using the COPYFILE - SENDING FILE (VM) DISK FILE Screen

```

                                COPYFILE -- SENDING FILE (VM)          10:50:36
                                DISK FILE                               NODE.NAME

SENDING NODE =>  VM.NODE

TYPE OF FILE =>  D   (D=DISK, V=VSAM, T=TAPE)

                                DISK FILE INFORMATION

FILENAME      => _____ FILETYPE      => _____

USERID        => _____ LINK PASSWORD  => _____

ACCESS MODE   => RR   CUU   => 191_   REPLACE => N   (Y OR N)

DCB           => ( _____ )

SELECTION CRITERIA => _____
                   => _____
                   => _____
                   => _____

PF keys:  1 Help  2 Msg  3 Exit  4 Menu  6 Id
    
```

System Field

The COPYFILE - SENDING FILE (VM) DISK FILE screen contains the following system field:

Field	Description
SENDING NODE	This 16-character field contains the name of the sending node.

Entry Fields

The COPYFILE - SENDING FILE (VM) DISK FILE screen contains the following entry fields:

Field	Description
TYPE OF FILE	This optional 1-character field contains the type of sending file. To override the default, simply enter V (for VSAM files) or T (for tape files) in this field.

Disk File Information

Field	Description
FILENAME	This required 8-character field contains the name of the sending disk file. If you specify SELECTION CRITERIA, then enter an asterisk (*) in this field.
FILETYPE	This required 8-character field contains the type of the sending file. Note: To send and receive by a VM node, you must enter the USERID and LINK PASSWORD. The USERID identifies the owner of the disk where the file for sending or receiving resides. The LINK PASSWORD is the read link password for the VM disk where the file resides. ALL can be used as a LINK PASSWORD.
USERID	This 8-character field contains the USERID to access the disk that contains the sending file.
LINK PASSWORD	This 8-character field contains the read LINK PASSWORD to access the disk that contains the sending file. In order to maintain security, Connect:Direct does not display this field. Note: You can fill the access mode and CUU fields with appropriate values. If you leave the fields blank, the access mode and CUU default to the values displayed on the screen.
ACCESS MODE	This 2-character field contains the access mode for the disk that contains the sending file. The field is optional, and the default is RR.
CUU	This 3-character field contains the unit address (CUU) for the sending file disk. The field is optional. The default CUU is 191.
REPLACE	This 1-character field contains the Y or N toggle to specify whether like-named files on the receiving system are to be replaced (Y) or are not to be replaced (N). The default is N.
DCB	This 64-character field contains the Data Control Block (DCB) attributes for the sending file. The field is optional and defaults to the information copied from the sending file.
SELECTION CRITERIA	This field contains the selection ranges and wild card symbols used for including and excluding files for sending. The field is optional and consists of 4 lines of 39 characters. If you specify SELECTION CRITERIA, you must enter an asterisk (*) in the FILENAME field. See the Connect:Direct Process Language Web site See the Connect:Direct Processes Web site at www.sterlingcommerce.com/Documentation/processes/processhome.html for a complete description of the SELECT and EXCLUDE criteria.

Using the COPYFILE - RECEIVING FILE (VM) DISK FILE Screen

You can use the COPYFILE - RECEIVING FILE (VM) DISK FILE screen to identify a receiving disk file on a VM node. The COPYFILE - RECEIVING FILE (VM) DISK FILE screen displays as shown in the following figure.

To access the COPYFILE - RECEIVING (VM) DISK FILE screen, you must perform the following steps:

1. Specify a VM receiving node on the COPYFILE BETWEEN NODES screen
2. Request **D** for the TYPE OF FILE on the COPYFILE - RECEIVING FILE (VM) DISK FILE screen that displays after you complete the information on the COPYFILE BETWEEN NODES screen

```

                                COPYFILE -- RECEIVING FILE (VM)
                                DISK FILE
                                10:53:04
                                NODE.NAME

RECEIVING NODE => VM.NODE

TYPE OF FILE   => D   (R=READER, D=DISK, V=VSAM, T=TAPE)

                                DISK FILE INFORMATION

FILENAME       => _____ FILETYPE   => _____

USERID        => _____ LINK PASSWORD => _____
ACCESS MODE   => W           CUU         => 191

DCB => ( _____ )

DISP=> RPL

PF keys:  1 Help  2 Msg  3 Exit  4 Menu  6 Id

```

System Field

The COPYFILE - RECEIVING FILE (VM) DISK FILE screen contains the following system field:

Field	Description
RECEIVING NODE	This 16-character field contains the name of the receiving node.

Entry Fields

The COPYFILE - RECEIVING FILE (VM) DISK FILE screen contains the following entry fields:

Field	Description
TYPE OF FILE	This 1-character field contains the type of receiving file. The field is optional, and the default is D. To override the default, simply enter V (for VSAM files) or T (for tape files) or R (for reader files) in this field.

Disk File Information

Field	Description
FILENAME	This required 8-character field contains the receiving file name. The field is required.
FILETYPE	This required 8-character field contains the type of the receiving file for receiving.
USERID	This required 8-character field contains the USERID to access the disk that contains the receiving file.
LINK PASSWORD	This required 8-character field contains the LINK PASSWORD to access the disk that contains the receiving file. In order to maintain security, this field is not displayed. Note: You can fill the access mode and CUU fields with appropriate values. If you leave the fields blank, the access mode and CUU default to the values displayed on the screen.
ACCESS MODE	This 2-character field contains the access mode for the disk that contains the file for receiving. The field is required if you entered the USERID and PASSWORD. The default ACCESS MODE is W.
CUU	This 3-character field contains the unit address (CUU) for the receiving file disk. If you entered the DISK FILE USERID and DISK FILE LINK PASSWORD, you must complete this field. The default CUU is 191.
DCB	This 61-character field contains the Data Control Block (DCB) for the receiving file. The field is optional and defaults to the information copied from the sending file. Note: To send and receive by a VM node, you must enter the USERID and LINK PASSWORD. The USERID identifies the owner of the disk where the file for sending or receiving resides. The LINK PASSWORD is the read link password for the VM disk where the file resides.
DISP	This 3-character field contains the disposition of the receiving file. The files can be allocated (NEW), or can already exist and be exclusively held by this Process (OLD), or can be replaced (RPL), or can already exist and are shared by multiple users (SHR). The default is RPL.

Using the COPYFILE - SENDING FILE (VM) VSAM FILE Screen

You can use the COPYFILE - SENDING FILE (VM) VSAM FILE screen to identify a VSAM (Virtual Sequential Access Method) sending file that resides on a VM node. The COPYFILE - SENDING FILE (VM) VSAM FILE displays as shown in the following figure.

To access the COPYFILE - SENDING FILE (VM) VSAM FILE screen, you must perform the following steps:

1. Specify a VM sending node on the COPYFILE BETWEEN NODES screen.
2. Request **V** for the type of file on the COPYFILE - SENDING FILE (VM) DISK FILE screen that displays after you complete the information on the COPYFILE BETWEEN NODES screen.

```

                                COPYFILE -- SENDING FILE (VM)
                                VSAM FILE
                                10:56:02
                                NODE.NAME

SENDING NODE => VM.NODE

TYPE OF FILE => V (D=DISK, V=VSAM, T=TAPE)

                                VSAM FILE INFORMATION

USERID      => _____ LINK PASSWORD => _____

ACCESS MODE => RR CUU => 191_

VSAM DSN    => _____
VSAM CAT    => _____
VSAM CAT ID => _____ PASSWORD => _____
ACCESS MODE => __ CUU => 191_

PF keys:  1 Help  2 Msg  3 Exit  4 Menu  6 Id

```

System Field

The COPYFILE - SENDING FILE (VM) VSAM FILE screen contains the following system field:

Field	Description
SENDING NODE	This 16-character field contains the name of the sending node.

Entry Fields

The COPYFILE - SENDING FILE (VM) VSAM FILE screen contains the following entry fields:

Field	Description
TYPE OF FILE	This 1-character field contains the type of sending file. The field is optional. To override the default, enter D (for disk files) or T (for tape files).

VSAM File Information

Field	Description
USERID	This required 8-character field contains the USERID to access the disk that contains the receiving file.

Field	Description
LINK PASSWORD	This required 8-character field contains the LINK PASSWORD to access the disk that contains the receiving file. In order to maintain security, this field is not displayed.
VSAM DSN	This required 44-character field contains the name of the VSAM sending file.
VSAM CAT	This 44-character field is the name of the VSAM catalog that contains the VSAM sending file. The field is optional unless you need to specify a VSAM catalog other than the master catalog. Note: To send and receive by a VM node, you must enter the USERID and LINK PASSWORD. The USERID identifies the owner of the disk where the file for sending or receiving resides. The LINK PASSWORD is the read link password for the VM disk where the file resides.
VSAM CAT ID	This 8-character field contains the USERID of the owner of the disk where the VSAM catalog resides. The field is optional.
PASSWORD	This 8-character field contains the VSAM PASSWORD used with the VSAM CAT ID to access the disk where the VSAM catalog resides. If you entered the VSAM CAT ID this field is a Connect:Direct requirement. In order to maintain security, this field does not display. Note: You can fill the access mode and CUU fields with appropriate values. If you leave the fields blank, the access mode and CUU default to the values displayed on the screen.
ACCESS MODE	This 2-character field contains the access mode for the disk where the VSAM catalog resides. You must complete this field if you entered the VSAM CAT ID and VSAM PASSWORD. The default access mode is RR.
CUU	This 3-character field contains the unit address (CUU) of the disk where the VSAM catalog resides. You must complete this field if you entered the VSAM CAT ID and VSAM PASSWORD. The default CUU is 191.

Using the COPYFILE - RECEIVING FILE (VM) VSAM FILE Screen

You can use the COPYFILE - RECEIVING FILE (VM) VSAM FILE screen to identify a VSAM (Virtual Sequential Access METHOD) receiving file that resides on a VM node. This screen displays as shown in the following figure.

To access the COPYFILE - RECEIVING FILE (VM) VSAM FILE screen, you must perform the following steps:

1. Specify a VM receiving node on the COPYFILE BETWEEN NODES screen.
2. Request **V** for the type of file on the COPYFILE - RECEIVING FILE (VM) VSAM FILE screen that displays after you complete the information on the COPYFILE BETWEEN NODES screen.

```

                                COPYFILE -- RECEIVING FILE (VM)
                                VSAM FILE
                                10:59:46
                                NODE.NAME

RECEIVING NODE => VM.NODE

TYPE OF FILE   => V   (R=READER, D=DISK, V=VSAM, T=TAPE)

                                VSAM FILE INFORMATION

USERID         => _____ LINK PASSWORD => _____

ACCESS MODE    => W   CUU   => 191

VSAM DSN       => _____
VSAM CAT       => _____
VSAM CAT ID    => _____ PASSWORD => _____
ACCESS MODE    => W   CUU   => 191

PF keys:  1 Help  2 Msg  3 Exit  4 Menu  6 Id

```

System Field

The COPYFILE - RECEIVING FILE (VM) VSAM FILE screen contains the following system field:

Field	Description
RECEIVING NODE	This 16-character field contains the name of the receiving node.

Entry Fields

The COPYFILE - RECEIVING FILE (VM) VSAM FILE screen contains the following entry fields:

Field	Description
TYPE OF FILE	This 1-character field contains the type of receiving file. The field is optional. To override the default, enter R (for reader files), D (for disk files), or T (for tape files).

VSAM File Information

Field	Description
USERID	This required 8-character field contains the USERID to access the disk that contains the receiving file.

Field	Description
LINK PASSWORD	This required 8-character field contains the LINK PASSWORD to access the disk that contains the receiving file. In order to maintain security, this field is not displayed.
ACCESS MODE	This 2-character field contains the access mode for the disk where the VSAM catalog resides. You must complete this field if you entered the VSAM CAT ID and VSAM PASSWORD. The default access mode is W.
CUU	This 3-character field contains the unit address (CUU) for the disk where the VSAM catalog resides. You must complete this field if you entered the VSAM CAT ID and VSAM PASSWORD. The default CUU is 191.
VSAM DSN	This required 44-character field contains the name of the VSAM file for receiving.
VSAM CAT	This 44-character field contains the name of the catalog where the receiving file will reside. The field is optional unless you need to specify a catalog other than the default master catalog. Note: To send and receive by a VM node, you must enter the USERID and LINK PASSWORD. The USERID identifies the owner of the disk where the file for sending or receiving resides. The LINK PASSWORD is the read link password for the VM disk where the file resides.
VSAM CAT ID	This 8-character field contains the USERID of the owner of the disk where the VSAM catalog resides. The field is optional.
PASSWORD	This 8-character field contains the VSAM PASSWORD used with the VSAM CAT ID to access the disk where the VSAM catalog resides. If you entered the VSAM CAT ID this field is a Connect:Direct requirement. In order to maintain security, this field does not display. Note: You can fill the access mode and CUU fields with appropriate values. If you leave the fields blank, the access mode and CUU default to the values displayed on the screen.

Using the COPYFILE - RECEIVING FILE (VM) READER FILE Screen

You can use the COPYFILE - RECEIVING FILE (VM) READER FILE screen to identify a reader file on a VM node for receiving. The COPYFILE - RECEIVING FILE (VM) READER FILE screen displays as shown in the following figure.

To access the COPYFILE - RECEIVING FILE (VM) READER FILE screen, you must perform the following steps:

1. Specify a VM receiving node on the COPYFILE BETWEEN NODES screen.
2. Request **R** for the type of file on the COPYFILE - RECEIVING FILE (VM) DISK FILE screen that displays after you complete the information on the COPYFILE BETWEEN NODES screen.


```

                                COPYFILE -- RECEIVING FILE (VM)
                                READER FILE
                                11:03:22
                                NODE.NAME

RECEIVING NODE => VM.NODE

TYPE OF FILE   => R   (R=READER, D=DISK, V=VSAM, T=TAPE)

                                READER FILE INFORMATION

VM USERID     => _____

READER FILENAME => _____ READER FILETYPE => _____

PF keys:  1 Help  2 Msg  3 Exit  4 Menu  6 Id

```

System Field

The COPYFILE - RECEIVING FILE (VM) READER FILE screen contains the following system field:

Field	Description
RECEIVING NODE	This 16-character field contains the name of the receiving node.

Entry Fields

The COPYFILE - RECEIVING FILE (VM) READER FILE screen contains the following entry fields:

Field	Description
TYPE OF FILE	This 1-character field contains the type of receiving file. The field is optional. To override the default, enter V (for VSAM files), T (for tape files), or D (for disk files).

Reader File Information

Field	Description
VM USERID	This required 8-character field contains the USERID of the owner of the reader where the receiving file will reside.
READER FILENAME	This required 8-character field contains the name of the reader file where the receiving file will reside.

Field	Description
READER FILETYPE	This required 8-character field contains the type of reader file for the receiving file.

Using the COPYFILE - SENDING FILE (OpenVMS) Screen

You can use the COPYFILE - SENDING FILE (OpenVMS) screen to identify an existing file that resides on a OpenVMS node for sending to another node. The COPYFILE - SENDING FILE (OpenVMS) screen displays as shown in the following figure.

To access the COPYFILE - SENDING FILE (OpenVMS) screen, you must specify a OpenVMS sending node on the COPYFILE BETWEEN NODES screen.

```

                                COPYFILE - SENDING FILE (OpenVMS)                                11:04:54
                                                                                               NODE.NAME

SENDING NODE   =>   OpenVMS.NODE

FILE SPECIFICATION =>
_____

SYSOPTS       =>  " _____
               =>  _____
               =>  _____
               =>  _____
               =>  _____

PF keys:  1 Help  2 Msg  3 Exit  4 Menu  6 Id
    
```

System Field

The COPYFILE - SENDING FILE (OpenVMS) screen contains the following system field:

Field	Description
SENDING NODE	This 16-character field contains the name of the sending Connect:Direct netmap node.

Entry Fields

The COPYFILE - SENDING FILE (OpenVMS) screen contains the following entry fields:

Field	Description
FILE SPECIFICATION	This required 78-character field contains the sending file specification. You must enclose the entire file specification in single quotes (') to permit special characters. Use the < and > marks to delimit the OpenVMS directory.
SYSOPTS	This field consists of five lines of 51 characters and contains the specification for any desired VAX system operation, such as BINARY, STREAM, DISMOUNT, etc. The field is optional.

Using the COPYFILE - RECEIVING FILE (OpenVMS) Screen

You can use the COPYFILE - RECEIVING FILE (OpenVMS) screen to identify a new file that will reside on a OpenVMS node. To access the COPYFILE - RECEIVING FILE (OpenVMS) screen, you must specify a OpenVMS receiving node on the COPYFILE BETWEEN NODES screen. The COPYFILE - RECEIVING FILE (OpenVMS) screen displays as shown in the following figure.

```

                                COPYFILE - RECEIVING FILE (OpenVMS)                                11:06:03
                                                                                               NODE.NAME

RECEIVING NODE  =>  OpenVMS.NODE

FILE SPECIFICATION =>
_____

DCB PARAMETER   =>  ( _____ )
DISPOSITION     =>  RPL  (RPL, NEW, OLD, SHR, MOD)
TYPE KEY        =>  _____

SYSOPTS         =>  " _____
                  =>  _____
                  =>  _____
                  =>  _____
                  =>  _____

PF keys:  1 Help  2 Msg  3 Exit  4 Menu  6 Id

```

System Field

The COPYFILE - RECEIVING FILE (OpenVMS) screen contains the following system field:

Field	Description
RECEIVING NODE	This 16-character field contains the name of the receiving Connect:Direct netmap node.

Entry Fields

The COPYFILE - RECEIVING FILE (OpenVMS) screen contains the following entry fields:

Field	Description
FILE SPECIFICATION	This required 78-character field contains the file specification for the receiving file. You must enclose the file specification in single quotes (') to permit special characters. Use the < and > marks to delimit the OpenVMS directory.
DCB PARAMETER	This 61-character field contains the Data Control Block (DCB) for the receiving file. The field is optional and defaults to the information copied from the sending file.
DISPOSITION	This optional field specifies the status of the data on the receiving node. NEW creates a new version of a file. The file can already exist. RPL creates a file if you did not specify a version or the file does not exist. Otherwise, Connect:Direct for VSE/ESA overwrites the file. OLD overwrites an existing version of a file using exclusive access. SHR overwrites an existing version of a file, if there is one, and allows the file to be opened WRITE SHARED. MOD specifies that the data is to be added to the end of the file.
TYPE KEY	This optional field specifies the member name of the type defaults file containing the file attributes used to open the destination file.
SYSOPTS	This field consists of 5 lines of 51 characters and contains the specification for any valid VAX system operation, such as BINARY, DISMOUNT, and STREAM. The field is optional.

Using the COPYFILE - SENDING FILE (TANDEM) Screen

You can use the COPYFILE - SENDING FILE (TANDEM) screen to identify a sending file that resides on a Tandem node. The COPYFILE - SENDING FILE (TANDEM) SCREEN displays as shown in the following figure.

To access the COPYFILE - SENDING FILE (TANDEM) FILE screen, you must specify a Tandem sending node on the COPYFILE BETWEEN NODES screen.

```

                                COPYFILE - SENDING FILE (TANDEM)                                11:12:09
                                                                                               NODE.NAME

SENDING NODE =>  TANDEM.NODE

DATA SET NAME =>
_____

SYSOPTS      =>  " _____
              =>  _____
              =>  _____
              =>  _____
              =>  _____"

PF keys:  1 Help  2 Msg  3 Exit  4 Menu  6 Id

```

System Field

The COPYFILE - SENDING FILE (TANDEM) screen contains the following system field:

Field	Description
SENDING NODE	This 16-character field contains the name of the sending Connect:Direct netmap node.

Entry Fields

The COPYFILE - SENDING FILE (TANDEM) screen contains the following entry fields:

Field	Description
DATA SET NAME	This required 78-character field contains the name of the sending file. You must enclose the file name in single quotes (') to permit special characters.
SYSOPTS	This field consists of five lines of 51 characters and contains valid TANDEM system options for the sending file.

Using the COPYFILE - RECEIVING FILE (TANDEM) Screen

You can use the COPYFILE - RECEIVING FILE (TANDEM) screen to identify a file that resides on a TANDEM receiving node. The COPYFILE - RECEIVING FILE (TANDEM) screen displays as depicted in the following figure.

To access the COPYFILE - RECEIVING FILE (TANDEM) screen, you must specify a Tandem receiving node on the COPYFILE BETWEEN NODES screen.

```

                                COPYFILE - RECEIVING FILE (TANDEM)                                11:13:36
                                                                NODE.NAME

RECEIVING NODE=>  TANDEM.NODE

DATA SET NAME =>
_____

DCB              => ( _____ )
DISPOSITION     => ( NEW  KEEP  )

SYSOPTS        => " _____
                => _____
                => _____
                => _____
                => _____

PF keys:  1 Help  2 Msg  3 Exit  4 Menu  6 Id
    
```

System Field

The COPYFILE - RECEIVING FILE (TANDEM) screen contains the following system field:

Field	Description
RECEIVING NODE	This 16-character field contains the name of the receiving node.

Entry Fields

The COPYFILE - RECEIVING FILE (TANDEM) screen contains the following entry fields:

Field	Description
DATA SET NAME	This required 78-character field contains the name of the TANDEM file for receiving. You must enclose the file name in single quotes (') to permit special characters.
DCB	This 50-character field contains the Data Control Block (DCB) attributes for the receiving file. The field is optional and defaults to the information copied from the sending file.
DISPOSITION	This dual field contains the disposition of the receiving file. The first parameter specifies whether the file is new (NEW), or already exists (OLD). The second parameter specifies whether the file should be retained (KEEP), or deleted (DELETE). The field is optional, and the default is (NEW, KEEP).

Field	Description
SYSOPTS	This field consists of five lines of 51 characters and contains valid TANDEM system options for the receiving file.

Using the COPYFILE - SENDING FILE (MS-DOS) Screen

You can use the COPYFILE - SENDING FILE (MS-DOS) screen to identify a file that resides on an MS-DOS node for sending to another node. The COPYFILE - SENDING FILE (MS-DOS) screen displays as shown in the following figure.

To access the COPYFILE - SENDING FILE (MS-DOS) screen, you must specify an MS-DOS sending node on the COPYFILE BETWEEN NODES screen.

```

                                COPYFILE - SENDING FILE (MS-DOS)
                                10:32:58
                                NODE.NAME

SENDING NODE    =>  MSDOS.NODE

FILE SPECIFICATION =>
_____

DISP    => ( SHR )
TYPE    => _____

SYSOPTS => " _____
=> _____
=> _____
=> _____
=> _____"

PF keys:  1 Help   2 Msg   3 Exit  4 Menu  6 Id

```

System Field

The COPYFILE - SENDING FILE (MS-DOS) screen contains the following system field:

Field	Description
SENDING NODE	This 16-character field contains the name of the sending Connect:Direct netmap node.

Entry Fields

The COPYFILE - SENDING FILE (MS-DOS) screen contains the following entry fields:

Field	Description
FILE SPECIFICATION	This required 64-character field contains the file specification for the sending file. You must enclose the file specification in single quotes (') to permit special characters.
DISP	This 3-character field contains the disposition of the sending file. The field is optional. The default is OLD.
TYPE	This required 7-character field contains the name of the Connect:Direct TYPE definition used to obtain data translation characteristics and attributes in the sending file.
SYSOPTS	This optional field specifies system operation parameters. You can include any Connect:Direct COPY statement SYSOPTS subparameters.

Using the COPYFILE - RECEIVING FILE (MS-DOS) Screen

You can use the COPYFILE - RECEIVING FILE (MS-DOS) screen to identify a file that resides on an MS-DOS receiving node. The COPYFILE - RECEIVING FILE (MS-DOS) screen displays as shown in the following figure.

To access the COPYFILE - RECEIVING FILE (MS-DOS) screen, you must specify an MS-DOS receiving node on the COPYFILE BETWEEN NODES screen.

```

                                COPYFILE - RECEIVING FILE  (MS-DOS)                                10:32:58
                                                                                               NODE.NAME

RECEIVING NODE      =>  MSDOS.NODE

FILE SPECIFICATION =>
_____

DISP      =>  ( OLD )
TYPE      =>  _____

SYSOPTS   =>  " _____
            =>  _____
            =>  _____
            =>  _____
            =>  _____

PF keys:  1 Help   2 Msg   3 Exit  4 Menu  6 Id

```


System Field

The COPYFILE - RECEIVING FILE (MS-DOS) screen contains the following system field:

Field	Description
RECEIVING NODE	This 16-character field contains the name of the receiving node.

Entry Fields

The COPYFILE - RECEIVING FILE (MS-DOS) screen contains the following entry fields:

Field	Description
FILE SPECIFICATION	This required 64-character field contains the file specification for the receiving file. You must enclose the file specification in single quotes (') to permit special characters.
DISP	This 3-character field contains the disposition of the sending file. The field is optional. The default is OLD.
TYPE	This required 7-character field contains the name of the Connect:Direct TYPE definition used to obtain data translation characteristics and attributes in the receiving file.
SYSOPTS	This optional field specifies system operation parameters. You can include any Connect:Direct COPY statement SYSOPTS subparameters.

Using the COPYFILE - SENDING FILE (OS/2) Screen

You can use the COPYFILE - SENDING FILE (OS/2) screen to identify a file that resides on an OS/2 node for sending to another node. The COPYFILE - SENDING FILE (OS/2) screen displays as shown in the following figure.

To access the COPYFILE - SENDING FILE (OS/2) screen, you must specify an OS/2 sending node on the COPYFILE BETWEEN NODES screen.

```

                                COPYFILE - SENDING FILE (OS/2)                                11:15:01
                                                                                          NODE.NAME

SENDING NODE      => OS2.NODE

FILE SPECIFICATION =>
_____

DISP      => ( SHR )
TYPE      => _____

SYSOPTS   => " _____
           => _____
           => _____
           => _____
           => _____

PF keys:  1 Help   2 Msg   3 Exit  4 Menu  6 Id
    
```

System Field

The COPYFILE - SENDING FILE (OS/2) screen contains the following system field:

Field	Description
SENDING NODE	This 16-character field contains the name of the sending Connect:Direct netmap node.

Entry Fields

The COPYFILE - SENDING FILE (OS/2) screen contains the following entry fields:

Field	Description
FILE SPECIFICATION	This required 64-character field contains the file specification for the sending file. You must enclose the file specification in single quotes (') to permit special characters.
DISP	This 3-character field contains the disposition of the sending file. The field is optional, and the default is OLD.
TYPE	This required 7-character field contains the name of the Connect:Direct TYPE definition used to obtain data translation characteristics and attributes in the sending file.
SYSOPTS	This optional field specifies system operation parameters. You can include any Connect:Direct COPY statement SYSOPTS subparameters.

Using the COPYFILE - RECEIVING FILE (OS/2) Screen

You can use the COPYFILE - RECEIVING FILE (OS/2) screen to identify a file that resides on an OS/2 node for receiving. The following figure depicts the COPYFILE - RECEIVING FILE (OS/2) screen.

To access the COPYFILE - RECEIVING FILE (OS/2) screen, you must specify an OS/2 receiving node on the COPYFILE BETWEEN NODES screen.

```

COPYFILE - RECEIVING FILE (OS/2)                                11:16:31
                                                                NODE.NAME

RECEIVING NODE      =>  OS2.NODE

FILE SPECIFICATION =>
_____

DISP      =>  ( OLD )
TYPE      =>  _____

SYSOPTS  =>  " _____
           =>  _____
           =>  _____
           =>  _____
           =>  _____

PF keys:  1 Help   2 Msg   3 Exit  4 Menu  6 Id

```

System Field

The COPYFILE - RECEIVING FILE (OS/2) screen contains the following system field:

Field	Description
RECEIVING NODE	This 16-character field contains the name of the receiving node.

Entry Fields

The COPYFILE - RECEIVING FILE (OS/2) screen contains the following entry fields:

Field	Description
FILE SPECIFICATION	This required 64-character field contains the file specification for the receiving file. You must enclose the file specification in single quotes (') to permit special characters.

Field	Description
DISP	This 5-character field contains the disposition of the sending file. The field is optional, and the default is OLD.
TYPE	This required 7-character field contains the name of the Connect:Direct TYPE definition used to obtain data translation characteristics and attributes in the receiving file.
SYSOPTS	This optional field specifies system operation parameters. You can include any Connect:Direct COPY statement SYSOPTS subparameters.

Using the COPYFILE - SENDING FILE (OS/400) Screen

You can use the COPYFILE - SENDING FILE (OS/400) screen to identify a file that resides on a OS/400 node for sending to another node. The following figure shows the COPYFILE - SENDING FILE (OS/400) screen.

To access the COPYFILE - SENDING FILE (OS/400) screen, you must specify an OS/400 sending node on the COPYFILE BETWEEN NODES screen.

```

                                COPYFILE - SENDING FILE (OS/400)                                11:17:30
                                                                                          NODE.NAME

SENDING NODE      =>  OS400.NODE

OBJECT NAME       =>  _____

OBJECT TYPE       =>  ____ ( FILE, MBR, OBJ )

                The following fields are valid only for OBJECT TYPE "F"

SELECTION CRITERIA=>  _____
                    =>  _____
                    =>  _____
                    =>  _____

REPLACE           =>  N   (Y or N)

PF keys:  1 Help   2 Msg   3 Exit  4 Menu  6 Id

```

System Field

The COPYFILE - SENDING FILE (OS/400) screen contains the following system field:

Field	Description
SENDING NODE	This 16-character field contains the name of the sending node.

Entry Fields

The COPYFILE - SENDING FILE (OS/400) screen contains the following entry fields

Field	Description
OBJECT NAME	This 44-character field contains the name of the object for sending. Connect:Direct requires an entry in this field.
OBJECT TYPE	This field specifies the type of object to be copied. FILE Used to copy a physical data base file. MBR Used to copy a physical data base file member. OBJ Used to copy objects.
SELECTION CRITERIA	This field contains the selection ranges and wild card symbols used for including members of a partitioned data set for sending. The field is optional, and the default is to send all PDS members. The field consists of four lines of 39 characters where you can enter and arrange the PDS selection criteria.
REPLACE	This field specifies that sending files replace members of the same name in the receiving file.

Using the COPYFILE - RECEIVING FILE (OS/400) Screen

You can use the COPYFILE - RECEIVING FILE (OS/400) screen to identify a receiving file that resides on a OS/400 node. The COPYFILE - RECEIVING FILE (OS/400) screen displays as shown in the following figure.

To access the COPYFILE - RECEIVING FILE (OS/400) screen, you must specify a OS/400 receiving node on the COPYFILE BETWEEN NODES screen.

```

                                COPYFILE - RECEIVING FILE (OS/400)                                12:16:40
                                                                                               NODE.NAME
RECEIVING NODE      => OS400.NODE
OBJECT NAME         => _____
OBJECT TYPE         => ____ ( FILE, MBR, OBJ, SPLF )
DISPOSITION         => NEW (NEW, OLD, MOD, RPL, SHR: OBJECT TYPE "F" ONLY)
                   (NEW, OLD, MOD, RPL: OBJECT TYPE "O" ONLY)
UNIT NUMBER        => ____ (OBJECT TYPE "F" ONLY)
SYSOPTS            => _____
                   => _____
                   => _____
                   => _____
                   => _____
PF keys:  1 Help   2 Msg   3 Exit  4 Menu  6 Id
    
```

System Field

The COPYFILE - RECEIVING FILE (OS/400) screen contains the following system field:

Field	Description
RECEIVING NODE	This 16-character field contains the name of the receiving node.

Entry Fields

The COPYFILE - RECEIVING FILE (OS/400) screen contains the following entry fields:

Field	Description
OBJECT NAME	This required 44-character field specifies the name of the receiving object.
OBJECT TYPE	This field specifies the type of the receiving object. FILE Used to copy a physical data base file. MBR Used to copy a physical data base file member. OBJ Used to copy objects. SPLF Used to copy a spooled file.
DISPOSITION	This 3-character field specifies the status of the receiving object date, for OBJECT TYPE "F" ONLY. Default is new.
UNIT NUMBER	This 3-character field specifies the unit identifier of the auxiliary storage unit on which space is to be allocated. If you do not specify the unit number, Connect:Direct allocates space on any available storage unit.
SYSOPTS	This field consists of one line of 39 characters and four lines of 50 characters which can contain any valid Connect:Direct COPY statement SYSOPTS parameters as desired. Filling in this field is optional. One line is 39 bytes because the SYSOPTS TYPE parameter is pregenerated.

Using the COPYFILE - SENDING FILE (UNIX) Screen

You can use the COPYFILE - SENDING FILE (UNIX) screen to identify a file that resides on a UNIX node for sending to another node. The COPYFILE - SENDING FILE (UNIX) screen displays as shown in the following figure.

To access the COPYFILE - SENDING FILE (UNIX) screen, you must specify a UNIX sending node on the COPYFILE BETWEEN NODES screen.

```

                                COPYFILE - SENDING FILE  (UNIX)                                11:19:57
                                                                                          NODE.NAME

SENDING NODE          =>  UNIX.NODE

FILE SPECIFICATION =>
_____

DISP          =>  ( SHR )

SYSOPTS =>  " _____
=>  _____
=>  _____
=>  _____
=>  _____

PF keys:  1 Help   2 Msg   3 Exit  4 Menu  6 Id

```

System Field

The COPYFILE - SENDING FILE (UNIX) screen contains the following system field:

Field	Description
SENDING NODE	This 16-character field contains the name of the sending node.

Entry Fields

The COPYFILE - SENDING FILE (UNIX) screen contains the following entry fields:

Field	Description
FILE SPECIFICATION	This required 64-character field contains the file specification for the sending file. You must enclose the file specification in single quotes (') to permit special characters.

Field	Description
DISP	This 3-character field contains the disposition of the sending file. The field is optional, and the default is SHR.
SYSOPTS	This optional field specifies system operation parameters. You can include any Connect:Direct COPY statement SYSOPTS subparameters.

Using the COPYFILE - RECEIVING FILE (UNIX) Screen

You can use the COPYFILE - RECEIVING FILE (UNIX) screen to identify a file that resides on a UNIX node for receiving. The COPYFILE - RECEIVING FILE (UNIX) screen displays as shown in the following figure.

To access the COPYFILE - RECEIVING FILE (UNIX) screen, you must specify a UNIX receiving node on the COPYFILE BETWEEN NODES screen.

```

                                COPYFILE - RECEIVING FILE (UNIX)
                                                                11:21:05
                                                                NODE.NAME

RECEIVING NODE      =>  UNIX.NODE

FILE SPECIFICATION =>
_____

DISP      => ( OLD )

SYSOPTS => " _____
=> _____
=> _____
=> _____
=> _____

PF keys:  1 Help   2 Msg   3 Exit  4 Menu  6 Id

```

System Field

The COPYFILE - RECEIVING FILE (UNIX) screen contains the following system field:

Field	Description
RECEIVING NODE	This 16-character field contains the name of the receiving node.

Entry Fields

The COPYFILE - RECEIVING FILE (UNIX) screen contains the following entry fields:

Field	Description
FILE SPECIFICATION	This required 64-character field contains the file specification for the receiving file. You must enclose the file specification in single quotes (') to permit special characters.
DISP	This optional field specifies the disposition of the sending data set when the operation is complete. The default is OLD.
SYSOPTS	This optional field specifies system operation parameters. You can include any Connect:Direct COPY statement SYSOPTS.

Using the COPYFILE - SENDING FILE (NETWARE) Screen

You can use the COPYFILE - SENDING FILE (NETWARE) screen to identify a file that resides on a NetWare node for sending to another node. The following figure depicts the COPYFILE - SENDING FILE (NETWARE) screen.

To access the COPYFILE - SENDING FILE (NETWARE) screen, you must specify a NetWare sending node on the COPYFILE BETWEEN NODES screen.

```

COPYFILE - SENDING FILE (NETWARE)                                11:22:17
                                                                NODE.NAME

SENDING NODE          =>  NETWARE.NODE

FILE SPECIFICATION =>
_____

DISP      =>  ( SHR )

SYSOPTS =>  " _____
           =>  _____
           =>  _____
           =>  _____
           =>  _____

PF keys:  1 Help   2 Msg   3 Exit  4 Menu  6 Id

```

System Field

The COPYFILE - SENDING FILE (NETWARE) screen contains the following system field:

Field	Description
SENDING NODE	This 16-character field contains the name of the sending node.

Entry Fields

The COPYFILE - SENDING FILE (NETWARE) screen contains the following entry fields:

Field	Description
FILE SPECIFICATION	This required 64-character field contains the file specification for the sending file. You must enclose the file specification in single quotes (') to permit special characters.
DISP	This 3-character field contains the disposition of the sending file. The field is optional, and the default is SHR.
SYSOPTS	This optional field specifies system operation parameters. You can include any Connect:Direct COPY statement SYSOPTS subparameters.

Using the COPYFILE - RECEIVING FILE (NETWARE) Screen

You can use the COPYFILE - RECEIVING FILE (NETWARE) screen to identify a file that resides on a NETWARE node for receiving. The COPYFILE - RECEIVING FILE (NETWARE) screen is shown in the following figure.

To access the COPYFILE - RECEIVING FILE (NETWARE) screen, you must specify a NetWare receiving node on the COPYFILE BETWEEN NODES screen.

```

                                COPYFILE - RECEIVING FILE (NETWARE)                                11:23:24
                                                                                               NODE.NAME

RECEIVING NODE    =>  NETWARE.NODE

FILE SPECIFICATION =>
_____

DISP              =>  ( OLD )

SYSOPTS =>  " _____
            =>  _____
            =>  _____
            =>  _____
            =>  _____

PF keys:  1 Help   2 Msg   3 Exit  4 Menu  6 Id

```

System Field

The COPYFILE - RECEIVING FILE (NETWARE) screen contains the following system field:

Field	Description
RECEIVING NODE	This 16-character field contains the name of the receiving node.

Entry Fields

The COPYFILE - RECEIVING FILE (NETWARE) screen contains the following entry fields:

Field	Description
FILE SPECIFICATION	This required 64-character field contains the file specification for the receiving file. You must enclose the file specification in single quotes (') to permit special characters.
DISP	This 3-character field contains the disposition of the sending file. The field is optional, and the default is OLD.
SYSOPTS	This optional field specifies system operation parameters. You can include any Connect:Direct COPY statement SYSOPTS subparameters.

Using the COPYFILE - SENDING FILE (WINDOWS NT) Screen

You can use the COPYFILE - SENDING FILE (WINDOWS NT) screen to identify a file that resides on a Windows NT node for sending to another node. The COPYFILE - SENDING FILE (WINDOWS NT) screen displays as shown in the following figure.

To access the COPYFILE - SENDING FILE (WINDOWS NT) screen, you must specify a Windows NT sending node on the COPYFILE BETWEEN NODES screen.

```

                                COPYFILE - SENDING FILE (WINDOWS NT)
                                10:32:58
                                NODE.NAME

SENDING NODE      =>  WINDOWS.NT.NODE

FILE SPECIFICATION =>
_____

DISP      =>  ( OLD )
TYPE      =>  _____

SYSOPTS   =>  " _____
            =>  _____
            =>  _____
            =>  _____
            =>  _____

PF keys:  1 Help   2 Msg   3 Exit  4 Menu  6 Id
    
```

System Field

The COPYFILE - SENDING FILE (WINDOWS NT) screen contains the following system field:

Field	Description
SENDING NODE	This 16-character field contains the name of the sending node.

Entry Fields

The COPYFILE - SENDING FILE (WINDOWS NT) screen contains the following entry fields:

Field	Description
FILE SPECIFICATION	This required 64-character field contains the file specification for the sending file. You must enclose the file specification in single quotes (') to permit special characters.
DISP	This 3-character field contains the disposition of the sending file. The field is optional. The default is OLD.
TYPE	This optional 7-character field contains the name of the Connect:Direct TYPE definition used to obtain data translation characteristics and attributes in the sending file.
SYSOPTS	This optional field specifies system operation parameters. You can include any Connect:Direct COPY statement SYSOPTS subparameters.

Using the COPYFILE - RECEIVING FILE (WINDOWS NT) Screen

You can use the COPYFILE - RECEIVING FILE (WINDOWS NT) screen to identify a file that resides on a Windows NT receiving node. The COPYFILE - RECEIVING FILE (WINDOWS NT) screen displays as shown in the following figure.

To access the COPYFILE - RECEIVING FILE (WINDOWS NT) screen, you must specify a Windows NT receiving node on the COPYFILE BETWEEN NODES screen.

```

                                COPYFILE - RECEIVING FILE  (WINDOWS NT)                                10:32:58
                                                                                               NODE.NAME

RECEIVING NODE      =>  WINDOWS.NT.NODE

FILE SPECIFICATION =>
_____

DISP      =>  ( NEW )
TYPE      =>  _____

SYSOPTS   =>  " _____
            =>  _____
            =>  _____
            =>  _____
            =>  _____

PF keys:  1 Help   2 Msg   3 Exit  4 Menu  6 Ids

```

System Field

The COPYFILE - RECEIVING FILE (WINDOWS NT) screen contains the following system field:

Field	Description
RECEIVING NODE	This 16-character field contains the name of the receiving node.

Entry Fields

The COPYFILE - RECEIVING FILE (WINDOWS NT) screen contains the following entry fields:

Field	Description
FILE SPECIFICATION	This required 64-character field contains the file specification for the receiving file. You must enclose the file specification in single quotes (') to permit special characters.

Field	Description
DISP	This 3-character field contains the disposition of the sending file. The field is optional. The default is NEW.
TYPE NAME	This optional 7-character field contains the name of the Connect:Direct TYPE definition used to obtain data translation characteristics and attributes in the receiving file.
SYSOPTS	This optional field specifies system operation parameters. You can include any Connect:Direct COPY statement SYSOPTS subparameters.

Submitting Processes

You can use the SUBMIT PROCESS (SB) option to submit a prepared Connect:Direct Process that is stored in the local node Connect:Direct Process library.

You can also use the SUBMIT PROCESS screen to override parameters on a prepared Process from the Connect:Direct Process library. The parameters you can override are name, secondary node, times and dates, priority, requeue, class, hold and retain status, or symbolic parameters. You can then submit this Process to be executed.

You can specify Process and symbolic parameters before you submit the Process to the Connect:Direct DTF for execution. The IUI then submits the Connect:Direct COPYFILE Process to the connected Connect:Direct DTF (the DTF specified on the Connect:Direct CICS Interface signon). A PROCESS SUBMITTED message displays after the Process is successfully submitted to the DTF.

Using the SUBMIT PROCESS Screen

To access the Connect:Direct CICS Interface SUBMIT PROCESS screen, select option **SB** on the PRIMARY MENU screen and press **ENTER**. The Connect:Direct CICS Interface SUBMIT PROCESS screen displays as shown in the following figure.

```

                                SUBMIT PROCESS                                11:24:50
                                                                NODE.NAME

PROCESS NAME      ==> _____
SECONDARY NODE    ==> _____
HOLD PROCESS      ==> _          (Y=YES, N=NO, C=CALL)
REQUEUE PROCESS  ==> _          (Y=YES, N=NO)
RETAIN PROCESS    ==> _          (Y=YES, N=NO, I=INIT)
PRIORITY          ==> _____
CLASS            ==> _____
START DATE        ==> _____   TIME ==> _____
NEW PROCESS NAME  ==> _____
SYMBOLIC PARAMETERS ==> _____

_____

OVERRIDE SECURITY=>  N          (Y or N)

Do you want values for this process to be CASE sensitive? ==> NO

PF keys:  1 Help   2 Msg   3 Exit   4 Menu   6 Id
    
```

System Field

The SUBMIT PROCESS screen contains the following system field:

Field	Description
PROCESS NUMBER XXXXXX	This 21-character field contains the PROCESS NUMBER XXXXXX message after the successful completion of a SUBMIT PROCESS task, where XXXXXX is the system-generated Process number.

Entry Fields

The SUBMIT PROCESS screen contains the following entry fields:

Field	Description
PROCESS NAME	This required 8-character field contains the name of the Process to be submitted.
SECONDARY NODE	This 16-character field contains the name of the secondary node (destination node) to which the Process is to be submitted. The field is optional. The value defaults to the SNODE specified in the Process.

Field	Description
HOLD PROCESS	<p>This optional 1-character field contains the Y, N, or C toggle for a Process to be kept in the HOLD queue:</p> <p>Y (YES) holds the Process until it is deleted or released.</p> <p>N (NO) does not hold the Process (default).</p> <p>C (CALL) holds the Process in the WAIT queue until the secondary node requests work. If the Process will usurp computer resources during periods of heavy system use, you may want to place the Process temporarily in the HOLD queue and release it during a time of infrequent use.</p>
REQUEUE PROCESS	<p>This optional field specifies whether a COPY step should requeue if the Process terminates abnormally. This 1-character field contains the Y or N toggle to requeue the Process.</p> <p>YES requeues the Process after abnormal termination.</p> <p>NO does not requeue the Process after abnormal termination.</p>
RETAIN PROCESS	<p>This optional 1-character field contains the Y, N, or I toggle to keep a copy of a Process in a queue after execution.</p> <p>Yes keeps the Process in the queue after execution.</p> <p>No deletes the Process after execution.</p> <p>Initialize schedules the Process for execution every time Connect:Direct initializes.</p>
PRIORITY	<p>This optional 2-character field contains the priority number for Process execution. The valid priority numbers are 0-15.</p>
CLASS	<p>This optional 3-character field contains the Process class assignment for a submitted Process. The acceptable value range is 1-255.</p>
START DATE	<p>This 10-character field contains any valid Connect:Direct date format. See the STARTT parameter in the <i>Connect:Direct for VSE/ESA User's Guide</i>.</p>
TIME	<p>This optional 10-character field contains the start time expressed as hours, minutes, and seconds AM or PM (HH:MM:SSXM). Enter the start time on the basis of a 12- or 24-hour clock. If AM or PM is not used, the default is a 24-hour clock where 2:00 PM is 14:00.</p>
NEW PROCESS NAME	<p>This 8-character field contains your new name for a submitted Process. The field is optional.</p>
SYMBOLIC PARAMETERS	<p>This 3-line field contains the symbolic parameters that you want substituted for the items in the SUBMIT PROCESS operation. The field is optional. Enter the symbolics as follows:</p> <p style="padding-left: 40px;">&PARAMETER=SUBSTITUTION</p> <p>You can specify as many symbolic parameters as you can fit on the lines provided. Each parameter must be separated from the next parameter by at least one space.</p>
OVERRIDE SECURITY	<p>This optional field is for PNODE and SNODE security checking. You can check or modify security information on PNODE or SNODE on the screen shown in the following section.</p>

Field	Description
CASE Sensitive	<p>Following this question, indicate whether you want to allow mixed case input. This option is available as a session default, and you can specify the option during SIGNON.</p> <p>You can override the specified default on commands that apply to USERID, PASSWORD, DATA SET NAME. When you submit commands with YES specified, Connect:Direct includes the CASE=YES parameter with your command.</p> <p>Note: CICS only interprets mixed case data if your terminal is defined to accept it. The CICS TCT TYPE definition must be defined with UCTRAN=NO for mixed case data to be input to Connect:Direct from a CICS terminal.</p>

Overriding Security

The security override panel provides the opportunity to check or modify PNODE and SNODE security. You access this screen by typing **Y** at the OVERRIDE SECURITY option, as shown on the SUBMIT PROCESS screen on page 71.

```

                                SUBMIT PROCESS                                11:38:25
                                                                NODE.NAME
                                SECURITY OVERRIDE

<<PNODE>>

SECURITY ID: _____
PASSWORD   : _____
NEW PASSWRD: _____
ACCT DATA : _____

<<SNODE>>

SECURITY ID: _____
PASSWORD   : _____
NEW PASSWRD: _____
ACCT DATA : _____

PF keys:  1 Help  2 Msg  3 Exit  4 Menu  6 Id

```

Entry Fields

The SUBMIT PROCESS SECURITY OVERRIDE screen contains the following entry fields for both the PNODE and the SNODE:

Field	Description
SECURITY ID	This optional field specifies the 1-64-character security ID that passes to a security exit.
PASSWORD	This optional field specifies the 1-64-character current security password to pass to a security exit.
NEW PASSWORD	This optional field specifies the new 1-64-character security password to be passed to a security exit. The exit can change the current password to this value.
ACCT DATA	This optional field specifies accounting data to be passed to the security exit.

Submitting a Process

To submit a Process, type **SB** from the PRIMARY MENU and press **ENTER** to go to the SUBMIT PROCESS screen. Once you are at the SUBMIT PROCESS screen, perform the following tasks:

1. Type in your PROCESS NAME. This step is required.
2. Complete the following optional tasks, if desired.
 - a. Type in your SECONDARY NODE name.
 - b. Type in **Y** for HOLD PROCESS to have Connect:Direct hold the Process.
 - c. Type in **Y** for RETAIN PROCESS to have Connect:Direct retain the Process.
 - d. Type in the PRIORITY.
 - e. Type in the CLASS.
 - f. Type in the SNODE ID and SNODE PASSWORD, if required.
 - g. If you want a particular combination of time and date, type in the START DATE and START TIME. This field defaults to current date if you leave it blank.
 - h. Type in a NEW PROCESS NAME, if you want a new Process name.
 - i. Type in any necessary SYMBOLIC PARAMETERS.
3. Press **ENTER** to submit the Process. This step is required.

Selecting Processes

You can use the SELECT PROCESS screen to view information about Processes currently pending or executing, by identifying the name or number and queue and by requesting a display only or a printed report of the Process.

Accessing the SELECT PROCESS Screen

To access the Connect:Direct CICS Interface SELECT PROCESS screen, select option **SP** on the PRIMARY MENU screen, and press **ENTER**. The Connect:Direct CICS Interface SELECT PROCESS screen displays as shown in the following figure.

```

                                SELECT PROCESS                                11:39:56
                                                                                   NODE.NAME
OPTION ==> O          (O - OPERATOR TABLE   P - PRINT REPORT)

QUEUE ==> _          (A-ALL,W-WAIT,E-EXECUTE,H-HOLD,T-TIMER)

PROCESS NUMBERS:
  ==> _____   ==> _____   ==> _____   ==> _____
PROCESS NAMES:
  ==> _____   ==> _____   ==> _____   ==> _____
STATUS:          (HO,HR,HI,HE,HC,HP,HS,RH,RA,WC,H,R,W)
  ==> __         ==> __         ==> __         ==> __
DESTINATION NODES:
  ==> _____   ==> _____
  ==> _____   ==> _____
USER ID:          NODE ID:NODE1
==> NODE.NAME
==> _____
==> _____
Do you want values for this command to be CASE sensitive? ==> NO

PF keys:  1 Help   2 Msg   3 Exit  4 Menu  6 Id

```

Entry Fields

The SELECT PROCESS screen contains the following entry fields:

Field	Description																		
OPTION	<p>This 1-character field contains the SELECT PROCESS screen option of your choice, as follows:</p> <p>O select this option (alphabetic, not zero) and press ENTER to go to the SELECT PROCESS - OPERATOR TABLE screen and create a 1-line summary of each selected Process.</p> <p>P select this option and press ENTER to print a report on your default printer (defined in your SIGNON DEFAULTS).</p>																		
QUEUE	<p>This 1-character field contains your selection of the Process queue(s) for display: A, W, E, H, and T. You can select all queues or individual queues – WAIT, EXECUTION, HOLD, and TIMER. The field is optional.</p>																		
PROCESS NUMBERS	<p>These four fields of six characters each contain the Process numbers of Processes to be selected. The fields are optional, and you can enter up to four numbers for Process selection.</p>																		
PROCESS NAMES	<p>These four fields of eight characters each contain the Process names of Processes to be selected. The field are optional; you can enter up to four names for Process selection.</p>																		
STATUS	<p>This optional field indicates specific queue status selection by use of the following characters:</p> <table border="1"> <thead> <tr> <th>Status</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>HO</td> <td>Held by operator. The Process was submitted without hold specified and later was changed with the CHANGE PROCESS command.</td> </tr> <tr> <td>HR</td> <td>Held retain. The Process was submitted with RETAIN=YES specified.</td> </tr> <tr> <td>HI</td> <td>Held initially. The Process was submitted with HOLD=YES specified.</td> </tr> <tr> <td>HE</td> <td>Held in error. The Process was submitted, but the submitter is not defined on the SNODE.</td> </tr> <tr> <td>HC</td> <td>Held for call. The Process was submitted with HOLD=CALL specified. A session started from the other node will cause this Process to be put on the wait queue in WC status.</td> </tr> <tr> <td>HP</td> <td>Held Process error. An error occurred during initiation of Process execution. This condition can occur if the session is lost before any Process statements begin to execute.</td> </tr> <tr> <td>HS</td> <td>Held for suspension. The operator issued a SUSPEND PROCESS command. The Process can be released later.</td> </tr> <tr> <td>RH</td> <td>Restart Held. A checkpointed Process was executing when an error such as a lost session or an I/O error occurred. This allows the copy to be restarted when the session is lost and reestablished.</td> </tr> </tbody> </table>	Status	Description	HO	Held by operator. The Process was submitted without hold specified and later was changed with the CHANGE PROCESS command.	HR	Held retain. The Process was submitted with RETAIN=YES specified.	HI	Held initially. The Process was submitted with HOLD=YES specified.	HE	Held in error. The Process was submitted, but the submitter is not defined on the SNODE.	HC	Held for call. The Process was submitted with HOLD=CALL specified. A session started from the other node will cause this Process to be put on the wait queue in WC status.	HP	Held Process error. An error occurred during initiation of Process execution. This condition can occur if the session is lost before any Process statements begin to execute.	HS	Held for suspension. The operator issued a SUSPEND PROCESS command. The Process can be released later.	RH	Restart Held. A checkpointed Process was executing when an error such as a lost session or an I/O error occurred. This allows the copy to be restarted when the session is lost and reestablished.
Status	Description																		
HO	Held by operator. The Process was submitted without hold specified and later was changed with the CHANGE PROCESS command.																		
HR	Held retain. The Process was submitted with RETAIN=YES specified.																		
HI	Held initially. The Process was submitted with HOLD=YES specified.																		
HE	Held in error. The Process was submitted, but the submitter is not defined on the SNODE.																		
HC	Held for call. The Process was submitted with HOLD=CALL specified. A session started from the other node will cause this Process to be put on the wait queue in WC status.																		
HP	Held Process error. An error occurred during initiation of Process execution. This condition can occur if the session is lost before any Process statements begin to execute.																		
HS	Held for suspension. The operator issued a SUSPEND PROCESS command. The Process can be released later.																		
RH	Restart Held. A checkpointed Process was executing when an error such as a lost session or an I/O error occurred. This allows the copy to be restarted when the session is lost and reestablished.																		

Field	Description
RA	Held for restart allocation error. During Process execution, an allocation error occurred matching those specified in the initialization parameters. This status allows the Process to be restarted after the allocation problem is resolved.
WC	Wait for connection. Session establishment was attempted, including retries if specified, and failed. This Process will be put on the wait queue if a session with that node is established later. It can also be released by the operator.
H	All held Processes. This selection displays all Processes that are being held.
R	All restarted Processes. This selection displays all Processes that have been restarted.
W	All waiting Processes. This selection displays all Processes that are waiting.
DESTINATION NODES	This optional field indicates the destination site identifier (NODE NAME).
USER ID	This optional field is an alphanumeric userid corresponding to a selected Process.
NODE ID	This optional field identifies the submitter node corresponding to a selected Process. NODE ID is required if USER ID is specified.
CASE Sensitive	<p>Following this question, indicate whether you want to allow mixed case input. This option is available as a session default, and you can specify the option during SIGNON. You can override the specified default on commands that apply to USERID, PASSWORD, DATA SET NAME. When commands are submitted and YES is specified, Connect:Direct includes the CASE=YES parameter with your command.</p> <p>Note: CICS only interprets mixed case data if your terminal is defined to accept it. The CICS TCT TYPE definition must be defined with UCTRAN=NO for mixed case data to be input to Connect:Direct from a CICS terminal.</p>

Using the SELECT PROCESS Screen

To select a Process, type in option **SP** from the PRIMARY MENU screen and press **ENTER** to go to the SELECT PROCESS screen. Once you are at the SELECT PROCESS screen, perform the following tasks:

1. Type in your selection for the queue that you want to view:
 - ◆ **A** for all
 - ◆ **W** for wait
 - ◆ **E** for execute
 - ◆ **H** for hold

- ◆ **T** for timer queue
2. Type in the Process number(s), Process name(s), or both number and name of Process(es) that you want to view. If you select nothing, all Processes in the selected queue will appear.
 3. Type in your selected option:
 - ◆ **O** for operator table and display only
 - ◆ **P** for a printed report
 4. If you select **O**, the OPERATOR TABLE screen displays.
 5. Press **PF7** or **PF8** to scroll through the list of entries that match the Process number(s) and Process name(s) you typed in for the type of queue.
 6. If you select **S** on the OPERATOR TABLE screen, the PROCESS DETAIL screen displays, and you can view in detail the many characteristics of your Process.
 7. While you are at the PROCESS DETAIL screen, you can press **ENTER** repeatedly to update (refresh) the data on the screen as the Process executes.

Note: When your Process completes execution, you will not be able to view Process details.

Using the SELECT PROCESS - OPERATOR TABLE Screen

You can use the SELECT PROCESS - OPERATOR TABLE screen to view summary information about Processes pending or executing, including name, number, sending and receiving nodes, queue type, queue status, and last message received.

To access the SELECT PROCESS - OPERATOR TABLE screen, select option **O** (alphabetic, not zero) on the SELECT PROCESS screen and press **ENTER**. The SELECT PROCESS - OPERATOR TABLE screen appears as shown in the following figure.

SELECT PROCESS - OPERATOR TABLE								11:02:05
Cmd	ProcName	ProcNum	Submitter	Node	Secondary Node	QType	QStat	Last Msgid
—	COPYNC	202	MVS.NODE		MVS.NODE	TIMER	WC	
—	COPYJC	203	MVS.NODE		MVS.NODE	TIMER	WC	
Line commands: M Last Msgid S Select process detail								
PF keys: 1 Help 2 Msg 3 Exit 4 Menu 6 Id								Enter Refresh

System Fields

The SELECT PROCESS - OPERATOR TABLE screen contains the following system fields:

Field	Description																		
PAGE xxxx OF yyyy	This 17-character field contains the current page number xxxx out of yyyy total pages of SELECT PROCESS -- OPERATOR TABLE data. This field displays after the first page.																		
PROCNAME	This 9-character field contains the Process name.																		
PROCNUM	This 6-character field contains the Process number.																		
SUBMITTER NODE	This 16-character field contains the node name of the primary node.																		
SECONDARY NODE	This 16-character field contains the node name of the secondary node.																		
QTYPE	This 5-character field contains the type of queue (TIMER, EXEC, HOLD, WAIT), as follows: <ul style="list-style-type: none"> EXEC The Process is currently executing. HOLD The Process is held. WAIT The Process is waiting for execution. TIMER The Process is to execute at a given time. 																		
QSTAT	This 2-character field contains the current status of the queue, as defined in the following table. <table border="1" style="margin-left: 20px;"> <thead> <tr> <th>Status</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>EX</td> <td>The Process is currently executing.</td> </tr> <tr> <td>HI</td> <td>The Process was held initially.</td> </tr> <tr> <td>HO</td> <td>The operator held the Process.</td> </tr> <tr> <td>RS</td> <td>The Process is being restarted.</td> </tr> <tr> <td>WA</td> <td>The Process is awaiting acknowledgement.</td> </tr> <tr> <td>WC</td> <td>The Process is awaiting connection.</td> </tr> <tr> <td>WR</td> <td>The Process is awaiting restart.</td> </tr> <tr> <td>WS</td> <td>The Process is awaiting the designated start time.</td> </tr> </tbody> </table>	Status	Description	EX	The Process is currently executing.	HI	The Process was held initially.	HO	The operator held the Process.	RS	The Process is being restarted.	WA	The Process is awaiting acknowledgement.	WC	The Process is awaiting connection.	WR	The Process is awaiting restart.	WS	The Process is awaiting the designated start time.
Status	Description																		
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WA	The Process is awaiting acknowledgement.																		
WC	The Process is awaiting connection.																		
WR	The Process is awaiting restart.																		
WS	The Process is awaiting the designated start time.																		
LAST MSGID	This 8-character field contains the designation of the last message received for Connect:Direct CICS Interface operations.																		

Entry Field

The SELECT PROCESS - OPERATOR TABLE screen contains the following entry field:

Field	Description
CMD	This 1-character field contains your line command options M (for last message ID) or S (for select Process detail), as follows:
M	displays the text of the last message received for this Process.
S	displays the SELECT PROCESS -- PROCESS DETAIL screen.

Using the SELECT PROCESS - PROCESS DETAIL Screen

You can use the SELECT PROCESS - PROCESS DETAIL screen to view detailed information about pending or executing Processes selectively by choosing any one of the Process details, such as name, number, queueing priority, schedule time, retain status, and I/O bytes.

To access the SELECT PROCESS - PROCESS DETAIL screen, select option **S** on the SELECT PROCESS -- OPERATOR TABLE screen, and press **ENTER**. The SELECT PROCESS - PROCESS DETAIL screen appears as shown in the following figure.

```

                                SELECT PROCESS - PROCESS DETAIL                                11:07:21
                                NODE.NAME
OPTION ==> S (M or S)
Process Name => COPYNC      Submitter => MVS.NODE      Userid => SYSA
Process Number => 202      Snode      => MVS.NODE      Queue => TIMER
Queueing Prty => 10       Class      => 10       Status => WC
Scheduled Time => 13:00:00 Date      =>          Day      =>
Retain Status => NO       Sub State =>          State     =>
Step Name      =>        Function  =>          Member   =>
Blks           =>        Recs      =>          RUs      =>
Submitted Class=> 10      Max Class => 20       Sess.Id=>
Last Msgid     =>        Last RC  => 00000000
                                           Applid => BANDM704
Session restrt => 0       Dyn restrt=> 0       RouteID=>
Volume seq no. =>        Volser   =>          TTRN    =>
Sending DSN    =>
Receiving DSN  =>
I/O bytes     =>
VTAM bytes    =>        Compression Factor =>
Line commands:  M Last Msgid  S Select process detail
PF keys:  1 Help  2 Msg  3 Exit  4 Menu  6 Id  Enter Refresh

```

System Fields

The SELECT PROCESS - PROCESS DETAIL screen contains the following system fields:

Field	Description
SIDE	This 14-character field contains the message SENDING SIDE if the PROCESS DETAIL parameters are from the sender and the message RECEIVING SIDE if the PROCESS DETAIL parameters are from the receiver. The field occurs in the upper right corner below the NODE field.
PROCESS NAME	This 8-character field contains the name of the selected Process.
PROCESS NUMBER	This 6-character field contains the Process number.
QUEUEING PRTY	This 3-character field contains the queueing priority of the selected Process. The range of priorities is from 0-15 (highest).
SCHEDULED TIME	This 8-character field contains the time when the Process is scheduled to execute.
RETAIN STATUS	This 4-character field contains YES or NO to indicate the retain status.
STEP NAME	This 8-character field contains the name of the currently executing step of the selected Process.
BLKS	This 9-character field contains the number of blocks sent or received.
SUBMITTED CLASS	This 4-character field contains the submitted class.
LAST MSGID	This 8-character field contains the last message number received by this Process. Selecting option M displays the text of the message.
SUBMITTER	This 16-character field contains the name of the node from which the Process was submitted.
SNODE	This 16-character field contains the name of the node identified as the destination of the Process.
CLASS	This 4-character field contains the class or the parallel session used.
DATE	This 10-character field contains the date when the Process is scheduled to execute.
SUB STATE	This 12-character field contains the name of the current session macro in execution.
FUNCTION	This 8-character field contains the name of the function being performed by the Process.
RECS	This 14-character field contains the number of records sent or received as a result of the Process.
MAX CLASS	This 4-character field contains the maximum number of parallel sessions allowed.
LAST RC	This 8-character field contains the last step return code, if the Process went into execution.
USERID	This 8-character field contains the USERID that submitted the Process.

Field	Description																		
QUEUE	This 5-character field contains the name of the queue where the selected Process resides: WAIT, TIMER, EXEC, or HOLD.																		
STATUS	This 2-character field contains the status of the selected Process, as defined in the following table. <table border="1"> <thead> <tr> <th>Status</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>EX</td> <td>The Process is currently executing.</td> </tr> <tr> <td>HI</td> <td>The Process was held initially.</td> </tr> <tr> <td>HO</td> <td>The operator held the Process.</td> </tr> <tr> <td>RS</td> <td>The Process is being restarted.</td> </tr> <tr> <td>WA</td> <td>The Process is awaiting acknowledgement.</td> </tr> <tr> <td>WC</td> <td>The Process is awaiting connection.</td> </tr> <tr> <td>WR</td> <td>The Process is awaiting restart.</td> </tr> <tr> <td>WS</td> <td>The Process is awaiting the designated start time.</td> </tr> </tbody> </table>	Status	Description	EX	The Process is currently executing.	HI	The Process was held initially.	HO	The operator held the Process.	RS	The Process is being restarted.	WA	The Process is awaiting acknowledgement.	WC	The Process is awaiting connection.	WR	The Process is awaiting restart.	WS	The Process is awaiting the designated start time.
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WA	The Process is awaiting acknowledgement.																		
WC	The Process is awaiting connection.																		
WR	The Process is awaiting restart.																		
WS	The Process is awaiting the designated start time.																		
DAY	This 10-character field contains the name of the day when the Process is scheduled to execute.																		
STATE	This 8-character field contains the current state of the Process.																		
MEMBER	This 8-character field contains the name of the copied member during a PDS copy operation.																		
RUS	This 9-character field contains the number of request units sent or received.																		
SESS.ID	This 4-character field contains the session ID (P for SNA primary, and S for SNA secondary).																		
SESSION RESTRT	This 3-character field contains the number of consecutive session attempt failures.																		
VOLUME SEQ NO.	This 3-character field contains the volume sequence number.																		
SENDING DSN	This 44-character field contains the name of the sending file.																		
RECEIVING DSN	This 44-character field contains the name of the receiving file.																		
I/O BYTES	This 22-character field contains the number of bytes read or written from external storage.																		
VTAM BYTES	This 22-character field contains the number of bytes transmitted.																		
DYN RESTRT	This 3-character field contains the number of failed attempts to perform a copy to an unavailable file.																		
VOLSER	This 6-character field contains the volume serial number.																		
APPLID	This 8-character field contains the APPLID (application identification) of the destination Connect:Direct node.																		
ROUTEID	This 8-character field contains the USERID to notify upon completion of a step or Process.																		

Field	Description
TTRN	This 8-character field contains the TTR address (disk) or relative block (tape) currently accessed.
COMPRESSION FACTOR	This 6-character field contains the percentage of savings from the use of data compression from a copy Process.

Entry Field

The SELECT PROCESS - PROCESS DETAIL screen contains the following entry field:

Field	Description
OPTION	This 1-character field contains your selected options M or S, as follows: M displays the text of the last message received for this Process. S refreshes the PROCESS DETAIL parameters

Selecting Statistics

You can use the SELECT STATISTICS screen to view Process statistics by choosing any combination of Process names, numbers, start and stop times and dates, and condition codes. Process statistics summarize the Connect:Direct Process execution event log information for a DTF.

Accessing the SELECT STATISTICS Screen

To access the SELECT STATISTICS screen, select option **SS** on the PRIMARY MENU screen and press **ENTER**. The Connect:Direct CICS Interface SELECT STATISTICS screen appears as shown in the following figure.

```

                                SELECT STATISTICS                                11:34:47
                                                                                   NODE.NAME
OPTION ==> _
PROCESS NUMBERS:
  ==> _____ ==> _____ ==> _____ ==> _____

PROCESS NAMES:
  ==> _____ ==> _____ ==> _____ ==> _____

START DATE      ==> _____
START TIME      ==> _____ (HH:MM:SSXM)
STOP DATE       ==> _____
STOP TIME       ==> _____ (HH:MM:SSXM)
CONDITION CODE  ==> _ _____
EXCLUDE MEMBER RECS ==> N (Y OR N)
EXCLUDE WTO RECS  ==> Y (Y OR N)
OPTIONS: S ... SUMMARY TABLE
          P ... PRINT REPORT
PF keys: 1 Help  2 Msg  3 Exit  4 Menu  6 Id
```

Entry Fields

The SELECT STATISTICS screen contains the following entry fields:

Field	Description
OPTION	This 1-character field contains the S or P option for a displayed summary (S) or a printed report (P) of Process statistics, as follows: S displays the SELECT STATISTICS - SUMMARY TABLE screen where a summary of Process statistics will be displayed. P provides you a printed report of the Process statistics on the printer (defined in your SIGNON DEFAULTS).
PROCESS NUMBERS	Each of these 8-character fields contain the numbers of Processes selected for statistical information. You may enter up to four Process numbers for statistics selection.
PROCESS NAMES	Each of these 8-character fields contain the names of Processes selected for statistical information. You may enter up to four Process names for statistics selection.
START DATE	This 8-character field contains any valid Connect:Direct date format. Processes that started after the date specified will be selected for reporting.
START TIME	This 10-character field contains the start time expressed as hours, minutes, and seconds AM or PM (HH:MM:SSXM). You may specify either a 12-hour or a 24-hour time. If you use a 12-hour time, you must designate AM or PM. If you do not designate the format, Connect:Direct CICS Interface assumes a 24-hour time format. Processes that started after the time specified will be selected for reporting.
STOP DATE	This 8-character field contains any valid Connect:Direct date format. Processes that terminated before this date will be selected for reporting.
STOP TIME	This 10-character field contains the stop time expressed as hours, minutes, and seconds AM or PM (HH:MM:SSXM). You may specify either a 12-hour or a 24-hour time. If you use a 12-hour time, you must designate AM or PM. If you do not designate the format, Connect:Direct CICS Interface assumes a 24-hour time format. Processes that started after the time specified will be selected for reporting.
CONDITION CODE	This dual field contains the condition code for the selected Process. The first field is two characters long and contains a logical operator (LT, LE, GT, GE, NE, or EQ). The second field is eight characters long and contains the condition code to be checked. If a condition code is specified, all Processes terminating with the specified code will be selected for reporting.
EXCLUDE MEMBER RECS	This 1-character field contains the Y or N toggle to include or omit member records from LIBR copy statistical information.
EXCLUDE WTO RECS	This 1-character field contains the Y or N to include or omit WRITE TO OPERATOR (WTO) records in the displayed statistical information. If you do not want WTO records to be displayed, select Y; if you do, then select N.

Selecting Statistics

To select statistics regarding a copyfile operation or a submitted Process, press **PF4** to return to the PRIMARY MENU screen, type in option **SS**, and press **ENTER** to go to the SELECT STATISTICS screen. Once you are at the SELECT STATISTICS screen you can select statistics using any combination of the four methods that follow:

- ◆ Select statistics by Process number
- ◆ Select statistics by Process name
- ◆ Select statistics by time and date
- ◆ Select statistics by condition code

Selecting Statistics by Process Number

To select statistics by process number, perform the following tasks while you are at the SELECT STATISTICS screen:

1. Type in the Process number(s) to be selected, up to a total of four numbers. Use the tab, arrow, and return keys to move the cursor to the field(s).
2. Select option **S** to view the summary table or select option **P** for a printed report of the statistics.
3. Press **ENTER**.

The summary table displays the Process statistics for the Processes that you specified by number. If you do not view the statistics for a Process number you specified, the Process either does not exist in the system or did not execute.

Selecting Statistics by Process Name

To select statistics by Process name, perform the following tasks while you are at the SELECT STATISTICS screen:

1. Type in the Process name(s) to be selected, up to a total of four names. Use the tab, arrow, and return keys to move the cursor to the field(s).
2. Select option **S** to view the summary table or select option **P** for a printed report of the statistics.
3. Press **ENTER**.

The summary table displays all the Process statistics of the Processes you specified by name. If you do not view the statistics for a Process name you specified, the Process either does not exist in the system or did not execute.

Selecting Statistics by Time and Date

To select statistics by start and stop time and date, perform the following tasks at the SELECT STATISTICS screen:

1. Use the tab, arrow, and return keys to move the cursor to the desired field. Type in any one or all or a combination of the following start and stop times and dates:
 - a. **START TIME** - to select statistics for Processes that occur after this time
 - b. **START DATE** - to select statistics for Processes that occur after this date
 - c. **STOP TIME** - to select statistics for Processes that occur before this time
 - d. **STOP DATE** - to select statistics for Processes that occur before this date
 - e. **START TIME** and **STOP TIME** - to select statistics for Processes that occur within a specified time interval, on any day when statistics are available
 - f. **START DATE** and **STOP DATE** - to select statistics for Processes that occur within a specified date interval at any time of day
2. Select option **S** to view the summary table or select option **P** for a printed report of the statistics.
3. Press **ENTER**.

The summary table displays all the Process statistics of the Processes you specified by time or date, or both. If you do not view the statistics for the interval you specified, the Process either does not exist in the system or did not execute.

Selecting Statistics by Condition Code

To select statistics by condition code, perform the following tasks at the **SELECT STATISTICS** screen:

1. Use the tab, arrow, and return keys to move the cursor to the desired field. Type in the two parts of the condition code.
2. Select option **S** to view the summary table or select option **P** for a printed report of the statistics.
3. Press **ENTER**.

The summary table displays the Process statistics of the Processes you specified by condition code. If you do not view the statistics for the condition code you specified, the Process either does not exist in the system or did not execute.

Using the **SELECT STATISTICS - SUMMARY TABLE** Screen

You can use the **SELECT STATISTICS - SUMMARY TABLE** screen to view a list of Process statistics, including function type, Process name and number, sending and receiving nodes, last message received, end time and date, and the return code.

To access the **SELECT STATISTICS - SUMMARY TABLE** screen, select option **S** on the **SELECT STATISTICS** screen, and press **ENTER**. The **SELECT STATISTICS - SUMMARY TABLE** screen displays as shown in the following figure.

Using the SELECT STATISTICS - SUMMARY TABLE Screen

SELECT STATISTICS - SUMMARY TABLE							17:36:45
Cmd (M)	Function Submitter	ProcName P/Snode	ProcNum End date	Submitter End time	Node	Secondary Node	Node.NAME Last Msgid RC
—	SUB-CMD	COPYNC	0	MVS.NODE	MVS.NODE	MVS.NODE	SPQL001I 0C
	OPER	PNODE	05/05/1997	12:37:46			
—	SUB-CMD	FROMMVS	0	MVS.NODE	MVS.NODE	MVS.NODE	SPQL001I 0C
	OPER	PNODE	05/05/1997	12:40:06			
—	SUB-CMD	FROMMVS	0	MVS.NODE	MVS.NODE	MVS.NODE	SPQL001I 0C
	SCIVSE5	PNODE	05/05/1997	12:44:19			
—	SUB-CMD	FROMMVS	1	MVS.NODE	MVS.NODMVS.NODE	MVS.NODMVS.NODE	SSPA001I 00
	SCIVSE5	PNODE	05/05/1997	12:59:05			
—	PROC-END	FROMMVS	1	MVS.NODE	MVS.NODMVS.NODE	MVS.NODMVS.NODE	ACF01012 0C
	SCIVSE5	PNODE	05/05/1997	12:59:20			
—	SUB-CMD	FROMMVS	2	MVS.NODE	MVS.NODMVS.NODE	MVS.NODMVS.NODE	SSPA001I 00
	SCIVSE5	PNODE	05/05/1997	13:03:55			
—	COPY-END	FROMMVS	2	MVS.NODE	MVS.NODMVS.NODE	MVS.NODMVS.NODE	SCPA000I 00
	SCIVSE5	PNODE	05/05/1997	13:04:35			
—	PROC-END	FROMMVS	2	MVS.NODE	MVS.NODMVS.NODE	MVS.NODMVS.NODE	SVTM100I 00
	SCIVSE5	PNODE	05/05/1997	13:04:35			

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SOPS000I - Select Statistics command successfully completed.
 PF keys: 1 Help 2 Msg 3 Exit 4 Menu 6 Id 8 Fwd

Entry Field

The SELECT STATISTICS - SUMMARY TABLE screen contains the following entry field:

Field	Description
CMD	Selecting M in this 1-character field and pressing ENTER takes you to the LAST MESSAGE screen and displays the text of the last message received by the Process.

System Fields

The SELECT STATISTICS - SUMMARY TABLE screen contains the following system fields:

Field	Description
PAGE xxxx OF yyyy	This 17-character field contains the current page number xxxx out of yyyy total pages of SELECT STATISTICS - SUMMARY TABLE data.
FUNCTION	This 9-character field contains the function designation for Connect:Direct CICS Interface Process statistics.
PROCNAME	This 8-character field contains the Process name.
PROCNUM	This 6-character field contains the Process number.

Field	Description										
SUBMITTER NODE	This 16-character field contains the node name of the primary node.										
SECONDARY NODE	This 16-character field contains the node name of the secondary node.										
LAST MSGID	This 8-character field contains the designation of the last message received by the Process.										
RC	This 2-character field contains a system-generated return code as a result of the success or failure of your Process, as follows: <table border="1"> <thead> <tr> <th>Return Code</th> <th>Definition</th> </tr> </thead> <tbody> <tr> <td>00</td> <td>Processes that completed successfully</td> </tr> <tr> <td>04</td> <td>Processes that completed successfully and have one minor error such as an incorrect file disposition</td> </tr> <tr> <td>08</td> <td>Processes that did not complete successfully but that have several errors</td> </tr> <tr> <td>12</td> <td>Processes with major errors</td> </tr> </tbody> </table>	Return Code	Definition	00	Processes that completed successfully	04	Processes that completed successfully and have one minor error such as an incorrect file disposition	08	Processes that did not complete successfully but that have several errors	12	Processes with major errors
Return Code	Definition										
00	Processes that completed successfully										
04	Processes that completed successfully and have one minor error such as an incorrect file disposition										
08	Processes that did not complete successfully but that have several errors										
12	Processes with major errors										
SUBMITTER	This 8-character field contains the USERID of the submitted Process.										
P/SNODE	This 5-character field contains the primary or secondary node name designation, either PNODE or SNODE.										
END DATE	This 10-character field contains the ending date of the displayed Process, expressed as month, day, and year (MM/DD/YYYY).										
END TIME	This 8-character field contains the ending time of the displayed Process, expressed as hours, minutes, and seconds (HH:MM:SS).										

Displaying Messages

You can use the MESSAGE DISPLAY screen to view the contents of a message, the software module producing the message, some details of system action, and a suggested response for you.

Accessing the MESSAGE DISPLAY Screen

To access the Connect:Direct MESSAGE DISPLAY screen, select option **MD** on the PRIMARY MENU screen, and press **ENTER**. The MESSAGE DISPLAY screen is shown in the following figure.

```
                                MESSAGE DISPLAY                                06:15:43
                                                                NODE.NAME
MESSAGE ID ==> _____  MODULE ID ==>
SHORT TEXT==>
LONG TEXT==>
==>
==>
==>
==>
==>
==>
==>
==>
==>
==>
==>
==>
==>
PF keys:  1 Help   2 Msg   3 Exit  4 Menu  6 Id
```

System Fields

The MESSAGE DISPLAY screen contains the following system fields:

Field	Description
MODULE ID	This 8-character field contains the name of the software module which produced the message.
SHORT TEXT	This 64-character field contains the terse version of the message as it appears when sent.
LONG TEXT	These fields of twelve 64-character lines contain the long version of the message, with further descriptions of system action and suggested responses.

Entry Field

The MESSAGE DISPLAY screen contains the following entry field:

Field	Description
MESSAGE ID	This 8-character field contains the message identification.

Displaying a Message

To display any message, press **PF4** to go to the PRIMARY MENU, select option **MD** and press **ENTER** to go to the MESSAGE DISPLAY screen. Once you are at the MESSAGE DISPLAY screen, type in the message identification number and press **ENTER** to display the following details of the message:

- ◆ Message identification designation
- ◆ Associated software module producing the message
- ◆ Message text as displayed
- ◆ Additional explanation of the condition, system action, and a suggested response on your part

Using the LAST MESSAGE Screen

You can use the LAST MESSAGE screen to recall and view the contents of the last message received during your Connect:Direct activities, the software module producing the message, some details of system action, and a suggested response for you. The LAST MESSAGE screen displays as shown in the following figure.

Note: When you press **PF2**, the last message may have nothing to do with the current screen activities.

From this screen, you can determine the following details concerning the last message you received during your Connect:Direct activities:

- ◆ MESSAGE ID designation
- ◆ MODULE ID designation of the software module which produces the message
- ◆ SHORT TEXT of the message, consisting of one 64-character line
- ◆ LONG TEXT of the message has additional explanation, sometimes a description of system action, and a suggested response for you

New Connect:Direct for VSE/ESA messages were added to the existing Connect:Direct message set. The new messages use the prefix **SCCS** to distinguish them from non-CICS messages. The format is **SCCSnnnX**, where *nnn* is the message number, and *X* indicates **I** for information.

You can press **PF2** from any screen to view the full text of the latest Connect:Direct message returned. Secondly, the **MD** (MESSAGE DISPLAY) option allows you to enter an 8-byte message number for which the corresponding detailed message description is returned. Finally, you can enter the line command **M** to view the last message.

Note: The **LAST MESSAGE** screen also works in conjunction with the **SELECT STATISTICS - SUMMARY TABLE** and the line command option **M**.

Both **M** and **MD** are completed as part of CICS transaction processing and do not require access to the Connect:Direct DTF.

Using Signon Defaults

You can use the SIGNON DEFAULTS screen to update the following:

- ◆ Connect:Direct PASSWORD
- ◆ DEFAULT NODE
- ◆ ESF MODE ALLOWANCE
- ◆ UPPERCASE PRINTING
- ◆ CICS SESSION PRINTER
- ◆ SENDING NODE ACCOUNTING INFORMATION
- ◆ RECEIVING NODE ACCOUNTING INFORMATION

Accessing the SIGNON DEFAULTS Screen

To access the SIGNON DEFAULTS screen, select option **SD** on the PRIMARY MENU and press **ENTER**. The SIGNON DEFAULTS screen displays as shown in the following figure.

```

                                SIGNON DEFAULTS                                11:51:48
                                NODE.NAME
CICS USERID                      ==>  _____

**CONNECT:Direct**
USERID ==> XXXXX1
PASSWORD==>

DEFAULT NODE                      ==>  NODE.NAME
ESF MODE ALLOWED                  ==>  Y   Y OR N
UPPER CASE PRINT                  ==>  Y   Y OR N
CICS PRINTER                      ==>  LPT1
PNODE ACCT DATA                  ==>  _____
SNODE ACCT DATA                  ==>  _____

Do you want all commands for this session to be CASE sensitive? ==> NO

PF keys:  1 Help   2 Msg   3 Exit   4 Menu   6 Id   9 Update   Enter Edit
          Clear Reset

```

System Fields

The SIGNON DEFAULTS screen contains the following system fields:

Field	Description
CICS USERID	This 8-character field contains your CICS USERID.
Connect:Direct PASSWORD MESSAGE	This 25-character field to the right of the PASSWORD field contains the message associated with the PASSWORD, indicating its presence or absence.

Entry Fields

The SIGNON DEFAULTS screen contains the following entry fields:

Field	Description
Connect:Direct USERID	This 64-character field contains your Connect:Direct USERID. The field is required.
Connect:Direct PASSWORD	This 64-character field contains your Connect:Direct PASSWORD for the session. The PASSWORD MESSAGE field to the right of this field indicates the presence or absence of the PASSWORD. The PASSWORD field does not display in order to maintain security.
DEFAULT NODE	This 16-character field contains the name of your default node.

Field	Description
ESF MODE ALLOWED	This 1-character field contains the Y or N toggle to enable the Extended Submit Facility (ESF) mode in the event of the Data Transmission Facility (DTF) failure. The default Y can be overridden by changing the specification on the DTF RECORDS screen under the CDA transaction.
UPPER CASE PRINT	This 1-character field contains the Y or N toggle to force uppercase printing on the CICS printer. Y means that all of the printed reports and summary table printouts from this user will be in uppercase letters.
CICS PRINTER	This 4-character field contains the designation for the printer connected to your environment.
PNODE ACCT DATA	This 50-character field contains your accounting data for the primary node (source node) and can be used for your cost billing for CPU, I/O, and system resource time, materials, and personnel.
SNODE ACCT DATA	This 50-character field contains your accounting data for the secondary node (destination node) and can be used for your cost billing for CPU, I/O, and system resource time, materials, and personnel.
CASE Sensitive	Following this question, indicate whether you want to allow mixed-case input. This option is available as a session default, and you can specify the option during SIGNON. You can override the specified default on commands that apply to USERID, PASSWORD, DATA SET NAME. When you submit commands with YES specified, Connect:Direct includes the CASE=YES parameter with your command. Note: CICS only interprets mixed-case data if your terminal is defined to accept it. The CICS TCT TYPE definition must be defined with UCTRAN=NO for mixed-case data to be input to Connect:Direct from a CICS terminal.

Using ESF Session Mode

Connect:Direct invokes ESF MODE when an active Connect:Direct DTF session fails or when session establishment fails. In order for Connect:Direct to activate the ESF, you must have the ESF option installed on the local DTF and you must have the option enabled in the configuration file. In ESF MODE, the local node is available for use only through SUBMIT commands. You can only issue ESF SUBMIT requests if you have the ESF specified as a profile (SIGNON DEFAULTS) option.

Note: This option is restricted to the local node and can be globally disallowed by the administrator.

For the nonterminal user of the interface, the switch to primary mode (DTF MODE) is attempted until that task completes. This prevents having to abort the nonterminal processing, which could not continue in primary mode without another signon.

ESF Session Signon

Signon to the ESF creates a message on all user screens stating that the session is in ESF mode. Only the SUBMIT options display on the PRIMARY MENU. When a node session switches from ESF to primary mode or from primary mode to ESF mode, all terminal users of that node receive notification on their next IUI access. A special screen displays, informing IUI users that the DTF has become inactive. Options on this screen allow a Connect:Direct exit or a resignon in ESF mode. Connect:Direct periodically attempts to establish or reestablish a failed DTF session. When ESF mode switches back to primary mode, the user once again receives a prompt for primary mode signon.

ESF Session Mode Authorization

ESF MODE operation toggles on for the entire Connect:Direct interface through an administrator parameter. ESF MODE operation also toggles on for each user through a user-profile parameter.

Changing Your Signon Defaults

To update your SIGNON DEFAULTS record, type in option **SD** from the PRIMARY MENU screen and press **ENTER** to go to the SIGNON DEFAULTS screen.

Note: If you do not have any SIGNON DEFAULTS, ask your administrator to enter your SIGNON DEFAULTS under the CDA transaction.

Once at the SIGNON DEFAULTS screen, perform the tasks to change the values in your SIGNON DEFAULTS record, using either one of the two following methods:

Method 1

Complete the following steps to change your signon defaults:

1. Use the arrow, tab, and return keys to move the cursor to the field you desire to change.
2. Type your data in the desired fields on the screen.
3. Press **PF9**.

Method 2

If you type in your Connect:Direct USERID and PASSWORD and press **ENTER**, your current information appears and you can modify any field you desire. Press **PF9** to update the file.

Note: CICS USERID keys the SIGNON DEFAULTS. If several people share a CICS USERID, then your update to the SIGNON DEFAULTS will affect all users of that USERID.

1. Type in the Connect:Direct USERID.

2. Type in the Connect:Direct PASSWORD.
3. Type in the ESF MODE ALLOWED toggle.
4. Type in the UPPER CASE PRINT toggle.
5. Type in the CICS PRINTER designation.
6. Type in any PNODE ACCT DATA.
7. Type in any SNODE ACCT DATA.
8. Press **PF9** to update your SIGNON DEFAULTS record file.

Viewing User Profile

You can use the USER INQUIRY screen to determine the characteristics of your user profile during your use of Connect:Direct CICS Interface activities. You can access the following information:

- ◆ Connect:Direct CICS Interface software version levels
- ◆ Connect:Direct CICS Interface USERIDs
- ◆ CICS terminal ID and logical unit name
- ◆ Your NODE
- ◆ Connect:Direct CICS Interface feature authorizations.

Connect:Direct gathers the information about your user profile from the existing Connect:Direct WHO and AUTH functions.

Accessing the USER INQUIRY Screen

To access the USER INQUIRY screen, press **PF6** from any screen that defines **PF6**. The following screen will display. The USER INQUIRY screen appears as shown in the following figure.

```

                                USER INQUIRY                                17:45:32
                                                                NODE.NAME
CICS USERID                    ==>  SYSA          CONNECT:Direct VERSION ==>  03
CONNECT:Direct USERID         ==>  SYSA          CONNECT:Direct RELEASE ==>  002
CICS LUNAME                    ==>  BAN06061      CONNECT:Direct MOD-LEVEL ==>  000
CICS TERMID                    ==>  6061
CONNECT:Direct NODE            ==>  SC.ESA13.PUF8

                                PRIMARY MENU OPTION                        AUTH?
                                -----
CF  COPY FILE                  YES
SB  SUBMIT PROCESS             YES
SP  SELECT PROCESS             YES
SS  SELECT STATISTICS          YES
MD  MESSAGE DISPLAY            YES
SD  SIGNON DEFAULTS           YES
SN  CHANGE SIGNON              YES

PF keys:  3 Exit   4 Menu
    
```

System Fields

The USER INQUIRY screen contains the following system fields:

Field	Description
CICS USERID	This 8-character field contains your CICS USERID.
Connect:Direct USERID	This 8-character field contains your Connect:Direct USERID.
CICS LUNAME	This 8-character field contains your CICS logical unit name (netname).
CICS TERMID	This 4-character field contains your CICS terminal designation.
Connect:Direct NODE	This 16-character field contains the name of the Connect:Direct node you are currently signed on to.
Connect:Direct CICS Interface VERSION	This 2-character field contains the version number of the Connect:Direct software you are using.
Connect:Direct CICS Interface RELEASE	This 3-character field contains the release number of the Connect:Direct software you are using.
Connect:Direct CICS Interface MOD-LEVEL	This 3-character field contains the modification level number for the Connect:Direct software you are using.
CF COPYFILE	This 3-character field contains YES or NO to show your authorization to perform a COPYFILE operation.
SB SUBMIT PROCESS	This 3-character field contains YES or NO to show your authorization to submit a process.
SP SELECT PROCESS	This 3-character field contains YES or NO to show your authorization to select a process.
SS SELECT STATISTICS	This 3-character field contains YES or NO to show your authorization to select statistics.
MD MESSAGE DISPLAY	This 3-character field contains YES or NO to show your authorization to display messages.
SD SIGNON DEFAULTS	This 3-character field contains YES or NO to show your authorization to update your SIGNON DEFAULT record.
SN CHANGE SIGNON	This 3-character field contains YES or NO to show your authorization to change your SIGNON.

Inquiring About Your User Profile

To inquire about your user profile, press **PF6** from any screen that defines **PF6**, and the **USER INQUIRY** screen displays. From this screen, you can determine the following details about your environment and session:

- ◆ Connect:Direct CICS Interface software version, release, modification level, and PUF level.
- ◆ Connect:Direct and CICS USERIDs, CICS terminal identification and logical unit name, and Connect:Direct node name.
- ◆ Authorization for COPYFILE, SUBMIT PROCESS, SELECT PROCESS, SELECT STATISTICS, MESSAGE DISPLAY, SIGNON DEFAULTS, and CHANGE SIGNON screens.

Messages and Problem Isolation

This appendix contains messages from the system software which may appear and problems which may occur, during your Connect:Direct CICS Interface operations.

Messages

The system software includes the following messages:

Message	Description
All values reset from signon defaults file	This message displays if you press CLEAR on the SIGNON DEFAULTS screen.
A printer must be specified in your Signon Defaults in order to use 'P'	This message appears if you forgot to type in a printer ID before you selected option P and then pressed ENTER.
Auto-return in progress...	This message displays after you exit the Connect:Direct CICS Interface program, and reenter the Connect:Direct transaction. However, the automatic return feature must be enabled before any use.
End of node list	This message displays if you press PF8 while you are at the bottom of the available node list.
FILENAME and FILETYPE are required	This message displays if you pressed ENTER on a blank screen without entering the filename and type of file.
First page	This message displays if you press PF7 repeatedly on a screen with more than one PAGE XXXX of YYYY, and attempt to go past PAGE 1.
Last Msgid field is blank	This message appears if you select the M option, and press ENTER, with the LAST MSGID field blank.
Last page	This message displays if you press PF8 repeatedly on a screen with more than one PAGE XXXX of YYYY, and attempt to go past the last page.
M and S are the only valid line commands	This message displays if you select a line command other than those defined in the CMD field and press ENTER.

Message	Description
M is the only valid line command	This message displays if you type in a character other than M in the command line and press ENTER.
Node has been restarted	This message displays in the STATUS ALERT MESSAGE field when the NETWORK NODE RECORDS have been updated to activate a node.
MYNODE.OS.USERID NODE invalid	This message appears if the node name you typed in is not authorized for signon.
NODE NUMBER invalid	This message displays if you type in a node number that is not in the list of available nodes, and pressed ENTER.
NODE NUMBER or NODE NAME required	This message appears if you press ENTER, when you have nothing typed.
NODE required	This message displays if you pressed ENTER on the blank screen without typing in a node name.
No help available	This message displays if you press PF1 while at a screen with no online help facilities available.
OPTION invalid	This message displays if you type in an option other than those defined on the PRIMARY MENU.
OPTION required	This message displays if you press ENTER without typing in an option.
Password is present	This message appears if the PASSWORD field on the SIGNON DEFAULTS screen is filled with your password. The PASSWORD field is not displayed in order to maintain security.
Password is absent	This message displays if you have not entered your PASSWORD in the field on the SIGNON DEFAULTS screen. When you enter the password and the required data and press ENTER, the message will change to PASSWORD IS PRESENT.
PF key invalid	This message appears in the MESSAGE field if you pressed a PF key other than those defined on the screen.
Press ENTER to continue	This message displays if you typed in all required data correctly and pressed ENTER. This message indicates your chance to abort the copy Process.
PROCESS NAME required	This message appears when you press ENTER without typing in the process name.
PROCESS NUMBER XXXXXX	This message appears after a successful execution of a copy Process, where XXXXXX is the system-generated process number.
SAFA000I—Connect:Direct signon process completed.	This message appears if you signed on to CICS, Connect:Direct, and Connect:Direct CICS Interface successfully.
SCBI190I—Process specified not in process library.	This message displays when you type in a Process name that is not recognized by the system and press ENTER. Check the contents of your PROCESS.LIB to determine those available.

Message	Description
SCIA011I—Connect:Direct/DTF not active. Extended Submit Facility now available.	This message is shown if the DTF is not working under Connect:Direct. ESF is a substitute for the DTF in this case, but is limited to one process per user.
SCCS002I—No room available on work queue for this node. The Connect:Direct CICS Interface work queue for this DTF node is full.	This message appears when the work queue reaches its maximum capacity of tasks. Try your request again at a lower usage time.
SCCS003I—Connect:Direct CICS Interface monitor is not active.	This message displays when the CDM transaction is not running.
SCCS007I—DTF node not active to Connect:Direct CICS Interface.	This message appears if the node name you type in is not active in the Connect:Direct system.
SCCS008I—Connect:Direct CICS Interface signon failure.	This message displays when a system logic error may have prevented your Connect:Direct CICS Interface signon.
SCCS009I—Connect:Direct CICS Interface connection to DTF node is being shut.	This message appears when the logical connection from Connect:Direct CICS Interface to the DTF node is being shut down.
SCCS010I—Connect:Direct CICS Interface has been shut down.	This message appears when the Connect:Direct CICS Interface interface has been shut down by a system administrator, without waiting for active requests to complete execution.
SCCS011I—Connect:Direct CICS Interface subtask has been shut.	This message is shown when the Connect:Direct CICS Interface subtask assigned to process your request has been shut down, without waiting for active requests to complete execution.
SCCS013I—Copyfile successfully submitted.	This message displays if you typed in all the required data on the SENDING FILE screen and the RECEIVING FILE screen and pressed ENTER. You are returned to the COPYFILE screen from the RECEIVING FILE screen. The message appears only when you complete a COPYFILE process successfully under DTF.
SCCS014I—Output limit has been exceeded.	This message appears if the total number of lines returned to the DTF node exceeds the limit defined for the node during a SELECT operation.
SCCS016I—Connect:Direct CICS Interface connection to DTF node is being shut.	This message displays when the logical connection from Connect:Direct CICS Interface to the DTF node is being shut down.
SCCS018I—Request could not be assigned to a subtask.	This message appears if the user types in incorrect data or unknown data. The system could not place the signon request in the work queue assigned to the DTF node for the length of time required to complete the signon process. Maximum users may have been exceeded or incorrect entries in the SIGNON DEFAULTS record may have caused the failure.
SCCS023I—DTF node now available in ESF mode only.	This message displays if the DTF is down.

Message	Description
SENDING DSNAME required	This message appears if you press ENTER without entering a filename.
Sending or receiving node must equal current node—MYNODE.OS.USERID	This message displays if you type in a different node number from yours in the sending number field and press ENTER.
SESF000I—Process successfully submitted via ESF.	This message appears if you type in all the required data on the SENDING FILE screen and the RECEIVING FILE screen and press ENTER. You are returned to the COPYFILE screen from the RECEIVING FILE screen. The message appears only when you complete a COPYFILE process successfully under ESF (when DTF is not working).
Signon Defaults successfully updated	This message displays if you press PF9 while at the SIGNON DEFAULTS screen.
SOPA000I—Select process command was successful.	This message appears if you select option S and press ENTER.
SOPA006I—No process(es) found matching the search criteria.	This message displays if you type in values on the SELECT PROCESS screen and press ENTER, and no match is found.
SOPA011I—One or more processes SELECTed.	This message appears if you press ENTER without selecting a line command option.
SOPS000I—Select Statistics command successfully completed.	This message appears if you type in the desired data correctly on the SELECT STATISTICS screen, and press ENTER.
SOPS006I—No statistics were found matching the criteria specified.	This message displays if you type in the desired data on the SELECT STATISTICS screen and press ENTER, but there is no process data in Connect:Direct CICS Interface that matches your data.
START DATE invalid	This message is shown if you typed in a start date that was unrecognizable by Connect:Direct CICS Interface.
Start of node list	This message displays if you press PF7 while you are already at the top of the available node list.
START TIME invalid	This message appears if you press ENTER with nothing typed in on the screen, or if you type in a start time that is unrecognizable by Connect:Direct CICS Interface and press ENTER.
Value must be numeric if entered	This message displays if you type in other characters than 0 to 9 and press ENTER.
You must sign on to CICS before using Connect:Direct CICS Interface	This message is displayed in the STATUS ALERT MESSAGE field if you attempted to sign on to Connect:Direct CICS Interface.

Problem Isolation

Problem	Resolution
DTF Busy Message	<p>The terminal is clocked when you press a PF key or ENTER on an Connect:Direct screen. If the processing of the Connect:Direct transaction requires communications with an Connect:Direct node, then your request is put into a CICS WAIT state. The terminal clock is freed when the Connect:Direct CICS Interface interface handles your request.</p> <p>The Connect:Direct CICS Interface administrative function provides an inquiry capability for problem analysis in the event that the clock is not freed. There is an Connect:Direct CICS Interface administrative function to abort any specific Connect:Direct command which is in progress. This command frees the terminal clock and an error message is returned. The Connect:Direct request is not cancelled, unless the request is not yet in progress. This means that your request is allowed to complete, but the response is not sent back to you. You cannot enter another Connect:Direct command for the same node until the first request completes (only one command is allowed per user per node at a time).</p>
CICS Transaction ABENDS	<p>If an Connect:Direct CICS Interface transaction abends, then you are returned to CICS transaction mode. You can try to re-enter the transaction which abended, but you will have to start over, either on the SIGNON screen or on the PRIMARY MENU (if auto-signon enabled).</p> <p>In case the user transaction abends while an Connect:Direct command is in process (because of a failure of the terminal, or because a CICS operator force-abended his transaction), the same situation occurs. However, you cannot issue any further Connect:Direct requests until the prior request completes. Completion information from the outstanding request will not be returned to you.</p>
Your Terminal Hangs—No Response	<p>Connect:Direct CICS Interface requests are placed in a work queue, with one queue per node. Connect:Direct requests are rejected with a DTF busy error message, when a queue for a node reaches its maximum allowed length. If this occurs, contact your system administrator.</p>

A

ADJACENT.NODE

Adjacent node entries in the network map define nodes in the network with which the local Connect:Direct may communicate. Each entry specifies a locally used Connect:Direct name, its associated network communications name, and session control parameters for these nodes.

API (Application Program Interface)

This Connect:Direct component accepts commands from the Interactive User Interface (IUI), Connect:Direct Batch Interface, the console operator interface, or user-written program and places the commands in a format so that the user's request can be executed by the DTF. If there are errors, the API returns a message to the user. If there are no errors, the API sends the command to the DTF using a VTAM session.

APPLID

The APPLID is the name specified in the ACB macro that identifies the application program to VTAM. For Connect:Direct, these APPLIDS correspond to a DTF node name or an interactive or batch API APPLID.

API System ID(s)

This ID is the system identifier (SYSIDs or SMF IDs) of the CPUs (up to 16) that will be sharing a copy of the Connect:Direct for VSE/ESA DTF utilizing the Shared DASD Facility (SDF) option of Connect:Direct.

Authorization Facility

Connect:Direct authorization facility grants access to Connect:Direct commands.

Authorization File

Connect:Direct for VSE/ESA authorization file controls access to Connect:Direct for VSE/ESA and identifies commands that can be executed by the userid. This file can also be used in conjunction with security exit interfaces with the secure point-of-entry feature.

B

Batch Interface

This Connect:Direct interface allows users to request Connect:Direct services from a batch jobstream through control statements passed to a Connect:Direct-supplied program, DMBATCH.

C

Checkpoint/Restart

For the COPY statement, checkpoint/restart eliminates the need to retransmit an entire file in the event of a transmission failure. A value on the COPY statement or in the initialization parameters, CKPT.MODE and CKPT, specifies the checkpoint interval. If a copy procedure is interrupted, Connect:Direct will restart that copy at the last checkpoint.

For the RUN TASK Statement, checkpoint/restart determines whether the RUN TASK program is to be executed again at Process restart if Connect:Direct is unable to determine whether the program has executed. RESTART in the RUN TASK statement or the RUNTASK.RESTART initialization parameter specifies whether to restart the program at the last checkpoint.

Connect:Direct Commands

These commands initiate and monitor activity within the Connect:Direct system. You can issue commands from the IUI, the operator console, a batch job or a user application program.

Connect:Direct Process

The Connect:Direct Process is a series of statements submitted through the API to initiate Connect:Direct for VSE/ESA activity, such as copying files and running jobs. The Processes can be predefined and stored in a library.

Cross Domain

Cross domain pertains to controlling resources that involve more than one domain. A domain consists of one SSCP (System Services Control Point) and all the SNA resources under its control. This term applies when you perform a multiple-session signon to another Connect:Direct DTF and when you establish a connection to another Connect:Direct DTF to copy files.

D

DTF (Data Transmission Facility)

The DTF is the nucleus component of Connect:Direct. The DTF controls information distribution to other Connect:Direct nodes in the network. Start-up parameters that govern the overall activity of the DTF are defined within the initialization parameters.

E

ESF (Extended Submit Facility)

The ESF allows users to queue data transfer requests to a Connect:Direct node that is not active. This allows users to submit work to Connect:Direct, even when the Connect:Direct DTF is down.

I

IUI (Interactive User Interface)

The IUI is a screen and dialog component that allows users to define and submit Connect:Direct Processes and issue Connect:Direct commands that monitor and control administrative and operations activity. An IUI is available for a CICS environment with the CICS interface provided with the Connect:Direct for VSE/ESA product.

L

LOCAL.NODE

The local node entry defines the logical Connect:Direct name of the local Connect:Direct DTF and its associated communications name. The local node entry also contains the name of the transmission queue and the SUPERUSR ID password, if specified. The local node entry is in the network map.

M

Modal Statements

Connect:Direct modal statements (IF THEN, EIF, ELSE, EXIT, and GOTO) allow you to alter the sequence of Connect:Direct Process execution based on the completion of a previous Process step.

N

Network Map

VSAM file identifying all valid Connect:Direct nodes and applids in the network. Each Connect:Direct for VSE/ESA node has a network map. There is one entry within that network map for each of the other Connect:Direct nodes to which the local Connect:Direct for VSE/ESA node can initiate a session. The entries also contain the rules or protocol the nodes use when communicating.

Node

Any site within a network from which information distribution is initiated.

O

Online Messages

Completion and error messages that are displayed online.

Operator Interface

Allows Connect:Direct commands to be issued from the VSE operator console. This interface also allows tailoring of Connect:Direct commands through a command list (CLIST) facility.

P

Parallel Sessions

Parallel sessions allow you to have two or more concurrently active sessions between the same set of two LUs. With parallel session support, Connect:Direct allows multiple, concurrent file transfers between two Connect:Direct nodes.

PNODE (Primary Node)

The PNODE is the Connect:Direct node on which the Process is being submitted. The primary node may also be referred to as the controlling or source node, but should not necessarily be interpreted as the sending node since PNODE can be the receiver. In every Process, there is one PNODE and one SNODE specified. The submitter of a Process is always the PNODE. The PNODE name can be expressed in 1-16 alphanumeric and national characters (@ # \$), with imbedded periods. The first character must be alphabetic.

Process

A Process is a series of statements (which can be predefined and stored in a library) submitted through the API to initiate Connect:Direct for VSE/ESA activity, such as copying files and running jobs.

Process Statements

Process statements are used to build a Connect:Direct Process. They contain instructions for transferring files, running operating system jobs, executing programs, or submitting other Connect:Direct Processes. Process statements include COPY, RUN JOB, RUN TASK, SUBMIT, SYMBOL, and Modals (conditional logic).

S

SNA (Systems Network Architecture)

SNA is a network architecture designed to provide compatibility among a wide variety of hardware and software products so that they can be used to build complex networks. It defines protocols, standards, and message formats to which different hardware and software products must conform.

SNODE (Secondary Node)

The SNODE is a Connect:Direct node that interacts with the primary node (PNODE) during process execution. The secondary node (SNODE) may also be referred to as the participating, target or destination node. In every Process, there is one PNODE and one SNODE.

Statistics File

This file is a VSAM relative record data set that holds Connect:Direct statistics records to document the history of a Process. This file is a wrap-around file.

Statistics Facility

The Connect:Direct statistics facility records all Connect:Direct activities

SYMBOL Statement

This Connect:Direct Process statement allows you to build symbolic substitution values.

Symbolics

Connect:Direct Processes support symbolic parameters. The parameters allow one predefined Process to be used for multiple applications. For example, the file names for a COPY could be passed to the Process by the user submitting the Process.

T

TCQ (Transmission Control Queue)

The TCQ is a VSAM relative record data set (RRDS) used to hold all Processes that have been submitted to Connect:Direct for VSE/ESA.

TCP/IP (Transmission Control Protocol/Internet Protocol)

TCP/IP is a set of network standards that specify the details of how computers communicate, as well as a set of conventions for interconnecting networks and routing traffic.

A

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