Guide to the VTAM Printer Support System (VPS)
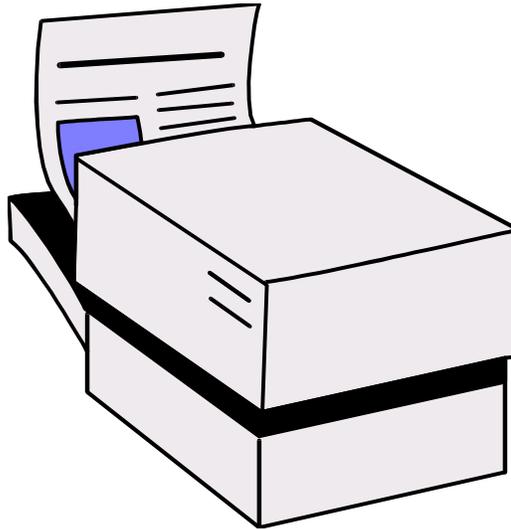
Printing from the Mainframe

Guide to the VTAM Printer Support System (VPS)

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<u>Guide to the VTAM Printer Support System (VPS)</u>

<u>Overview</u>

Introduction

The VTAM Printer Support System (VPS) controls the remote printing of mainframe reports to printers at your location. VPS is accessed through the VPS Monitor and Control Facility (VMCF), a full screen menu-driven interface.

This guide explains the procedures used to:

- Access VMCF and VPS
- Manage and print reports at your location

Technical Assistance

If you experience problems with VPS, contact the Central Help Desk at (512) 206-4666 or (888) 952-4357.

VPS Group Names

VPS group names have been defined starting with VPS followed by the component code, i.e., VPS678 (Austin State School).

Printer ID/Print Queue Name Format

Printer ID/Print Queue Name Format is constructed with the first three characters of PRT followed by a three or four digit number. Printer ID/Print Queue Name format is:

- 11 through 99   PRT0##   (i.e., PRT075)
- 100 through 999   PRT###   (i.e., PRT375)
- 1000 and above   PRT####   (i.e., PRT1175)

Notes:
1. Do not use the printer id/print queue name (p0375) defined for the UNIX servers when printing from JHS/XPTR, reports are not accessible by VPS.
2. Do not put a space after PRT in JHS/XPTR, the reports will be spooled to PRT which is not accessible by VPS.
3. Make sure that the DEST field has a valid entry. If the DEST field is not valid, the reports will be spooled to LOCAL which is not accessible by VPS.

Report Retention

Reports that have not been printed and are more than seven days old will be automatically deleted from the VPS system.

PF Keys

Certain PF keys have been defined to assist you in moving around the VPS Systems. The following table describes each PF key function.

PF Key	Function
2	Exit from VPS and return back to the C*L/SUPERSESSION Main Menu* screen, from any VPS screen except the *VMCF Primary Option Menu* screen.
3	Return to the *VMCF Primary Option Menu* from sub-menu screens or exit from the *VMCF Primary Option Menu* to the C*L/SUPERSESSION Main Menu* screen.
4	Changes to the *VPS Printer Command Menu* from any menu screen. (Note1, 3, 4)
5	Changes to the *VPS Printer Output Queue* from any menu screen. (Note 1, 3, 4)
6	Changes to the VPS Printer Held Queue from any menu screen. (Note 1, 3, 4)
7	Scroll toward the top of the data currently displayed. (Note 2)
8	Scroll toward the bottom of the data currently displayed. (Note 2)
9	Issues the VPS *START* command. (Note 1, 3, 4)
10	Issues the VPS *STOP* command with the *FORCE* option. (Note1, 3, 4)

Notes:
1. PF key does not work when a list of print queues is displayed.
2. PF key is valid only on screens that contains the SCROLL field in the upper right corner.
3. PF key does not work from the *VMCF Primary Option Menu* screen.
4. Using the current print queue name.

VMCF Screen Format

The table describes the screen areas on the VMCF screens.

Screen Area	Description
Title Area	Used to identify the function being performed.
Message Area	Used to indicate one of the following: • An error condition • Prompt for additional information • Successful execution of a VMCF/VPS command
Option/Command Area	Used to enter either a VMCF or VPS command or the choice of an option listed elsewhere on the screen.
Scroll Area (optional)	Used to display the current scroll amount.

Screen Example

Title Area

Message Area

Option/Command Area

Scroll Area

```
----------------------- VMCF Printer Selection List -------------------------
COMMAND ===>                                            SCROLL ===> PAGE

   C - Command  H - Held Queue  Q - Output Queue  S - Summary

   MBR NAME LUNAME    WAITING STATUS
 _ PRT087   XF780087   NONE IDLE        C=MNOP D=PRT087 F=AUTO
 _ PRT095   XF780095   NONE IDLE        C=MNOP D=PRT095 F=AUTO
 _ PRT096   XF780096   NONE IDLE        C=MNOP D=PRT096 F=AUTO
 _ PRT098   XF780098   NONE IDLE        C=MNOP D=PRT098 F=AUTO
 _ PRT1087  XF781087   NONE IDLE        C=MNOP D=PRT1087 F=AUTO
 _ PRT1244  XF781244   NONE IDLE        C=MNOP D=PRT1244 F=AUTO
 _ PRT127   XF780127   NONE IDLE        C=MNOP D=PRT127 F=AUTO
 _ PRT246   XF780246   NONE IDLE        C=MNOP  D=PRT246 F=AUTO
 _ PRT354   XF780354   NONE IDLE        C=MNOP D=PRT354 F=AUTO
 _ PRT409   XF780409   NONE IDLE        C=MNOP D=PRT409 F=AUTO
 _ PRT631   XF780631   NONE IDLE        C=MNOP D=PRT631 F=AUTO
 _ PRT952   XF780952   NONE IDLE        C=MNOP D=PRT952 F=AUTO
 _ PRT990   XF780990   NONE IDLE        C=MNOP D=PRT990 F=AUTO
   **END**
```

Scrolling

Scrolling is provided within the VMCF system when the amount of available data exceeds the screen size. PF8 is used to scroll toward the bottom of the data and PF7 is used to scroll toward the top of the data. The *SCROLL* field (when present) is generally used to specify the scroll amount which can be changed by over typing with a valid value. The changed scroll amount will remain in effect until it is changed again. Note that a scroll amount of MAX is only in effect for the current scrolling operation.

The table describes valid scroll amounts:

Scroll Value	Description
PAGE	Either forward or backward, one full screen of data
HALF	Either forward or backward, one-half screen of data
CSR	Either forward or backward, top or bottom line will be the line that the cursor was on.
MAX	Either forward or backward, to the bottom or top of data.
1 – 9999	Either forward or backward based on the value (number of lines) entered.

Top Line Commands

The following commands can be useful when working within the VMCF/VPS systems.

Command	Function
BOTTOM (BOT)	Used to scroll to the bottom of the data currently displayed. (See note)
HELP	Used to display additional information whenever you need help. When the HELP command is entered, you will be presented with the tutorial for the function you are currently executing.

Command	Function
LOC prtid (L prtid)	Specifying a print queue or printer ID is used to position the VPS Printer Selection List to a specific printer. The LOC command eliminates the need to repeatedly page forward or backward to look for a specific printer.
TOP	Used to scroll to the top of the data currently displayed. (See note)

Note: Command is valid only on screens containing the *SCROLL* field in the upper right corner.

How to Access and Exit VMCF/VPS

How to Access *VMCF/VPS*

Follow this procedure to access VMCF/VPS:

Step	Action
1	Begin at the MHMR-NET logo screen
2	Type your User Id in the Userid field
3	Tab to the Password filed and type your password
4	Press **<Enter>**.
5	When the TxMHMR News screen is displayed, press**<Enter>**.
6	Move the cursor to the VPS menu item and press **<Enter>**.

Screen Examples

```
KLGLGON1                        Entry Validation
 Date: 08/02/01                                          System: MHMR
 Time: 14:34:39                                          Device: TF558A56

                 Userid.......
                 Password.....           Change Password ?  N (Y or N)

     MM    MM HH    HH MM    MM RRRRRRR          NN    NN EEEEEEEE  TTTTTTTT
     MMM  MMM HH    HH MMM  MMM RR   RR          NNN   NN EE            TT
     MMM  MMM HH    HH MMM  MMM RR   RR          NNN   NN EE            TT
     MM MM MM HHHHHHHH MM MM MM RRRRRRR  //////  NN NN NN EEEEEEEE      TT
     MM    MM HH    HH MM    MM RR RR            NN    NNN EE            TT
     MM    MM HH    HH MM    MM RR   RR          NN    NNN EE            TT
     MM    MM HH    HH MM    MM RR    RR         NN    NN EEEEEEEE       TT

            THIS IS A PROTECTED COMPUTER NETWORK RESTRICTED
            TO AUTHORIZED USE ONLY.  ALL ACCESS IS MONITORED
            AND ANY INTRUSIONS INTO THIS NETWORK ARE SUBJECT
            TO PROSECUTION UNDER STATE AND FEDERAL LAWS.

            Help Desk:  1-888-952-Help (4357) or 512-206-4666

 ENTER USERID
 Enter  F1=Help  F3=Exit
```

User ID

Password

```
 Actions  Options  Commands  Features  Admin  Help

  KLSVSEL1                  CL/SUPERSESSION Main Menu              More: -

  Select sessions with a "/" or an action code.

    Session ID  Description                       Type    Status
    ----------  -------------------------------   ------- ------------
 __ TLC         Abest II /Texas Legislative       Multi
 __ TSO1        Time Sharing Option               Multi
 __ TSO2        Time Sharing Option 2             Multi
 __ TXCPA       Public Appls at comptroller       Multi
 __ USAS        USAS /Texas State Comptroller     Multi
 __ VPS         VTAM Printer Support System       Multi
 __ VPSS        CL/ENGINE OPERATOR                Multi
 __ VPSSCUA     CL/ENGINE CUA OPERATOR            Multi
```

VPS
Selection

How to Exit *VMCF/VPS*

Follow this procedure to exit VMCF/VPS.

Step	Action	Screen Displayed
1	Press the PF2 key.	CL/SUPERSESSION Main Menu
	Or	Or
	Press the PF3 key.	VMCF Primary Option Menu
2	Press the PF3 key.	CL/SUPERSESION Main Menu (If you press PF3 key in Step 1.)

How to Use the VMCF Primary Option Menu

VMCF Primary Option Menu

After logging into VPS/VMCF, the first screen displayed is the *VMCF Primary Option Menu*. You will be able to return to this screen from sub-menu screens by pressing the PF3 key.

Screen Example

```
----------------------- VMCF Primary Option Menu -------------- ENTER OPTION
 COMMAND ===>
                                                    USERID   - FXX####
   PRINTER ===> PRT1241                             TERMINAL - KF558A56
   GROUP   ===>                                     VPS NAME - VPS
   STATUS  ===>                                     PROFILE  - FXX####

      1  Enter VPS printer commands
      2  Display VPS printer list


      H  Display VPS printer held queue
      Q  Display VPS printer output queue
      S  Display VPS printer summary
      T  VMCF tutorial

      X  Exit VMCF



 ENTER END Command To Exit VMCF
```

Options

The table describes the available options as displayed on the screen.

Option	Select this option to …	Screen Displayed
1	Issue commands against a printer. (Note 1, 2)	*VPS Printer Command Menu*
2	List available printers at your component. (Note 4)	*VPS Printer Selection List*
H	List any reports being held. An individual must release reports in this queue if the report is to be printed. (Note 1, 2)	*VPS Printer Held Queue*
Q	List reports that have been selected for	*VPS Printer Output Queue*

Option	Select this option to …	Screen Displayed
	printing but have not printed. (Note 1, 2)	
S	List parameters and statistics for a particular printer. (Note 1, 2)	*VPS Printer Summary screens*
T	Access the online VMCF tutorial. (Note 3)	*VMCF Tutorial* screen
X	Exit from VPS/VMCF.	*CL/SuperSession Menu*

Notes:

1. To use options 1, H, Q or S; enter the option desired on the Option command line and tab to the *PRINTER* field and type the print queue name and press **<Enter>**.
2. Print queue names are PRT0XX, PRTXXX or PRTXXXX.
3. Due to security restrictions, you may not have access to certain areas covered in the tutorial.
4. Base on security rules, you may have access to more then one VPS group. To access a specific VPS group, tab to the *Group* field and enter the desired VPS Group Id, i.e., VPS678 (Austin State School). Do not have an entry in the *Printer* field.

How to Use the VPS Printer Command Menu

Introduction

The *VPS Printer Command* menu allows you to control the operations of a specific VPS printer. An option is selected by typing the number or letter representing the option in the OPTION field and pressing **<Enter>**. The message area is used to indicate whether the option was actually issued.

How to Access VPS Printer Command Menu

From VMCF Primary Option Menu:

1. Type **1** in the *OPTION* field.
2. Tab to the *PRINTER* and type the print queue name.
3. Press **<Enter>**.

From the VPS Printer Selection List:

1. Tabbed to the desired print queue name.
2. Type **C** in front of the print queue name.
3. Press **<Enter>**

Note: The *VPS Printer Command* menu screen can be access from any screen by pressing the PF4 key except the *VMCR Primary Option Menu.*

Screen Example

```
    ------------------------ VMCF Printer Command Menu ------------------------
  -
  COMMAND ===>
                                                    USERID   - FXX####
    PRINTER ===> PRT511                             TERMINAL - KF558A56
    GROUP   ===>                                    VPS NAME - VPS
    STATUS  ===>                                    PROFILE  - FXX####

       3  -  START         (Remove drain status)
       4  -  STOP          (Set drain status)
       6  -  REPEAT        (Repeat dataset currently printing)
       7  -  RESTART       (Restart dataset currently printing)
       8  -  REPOSITION    (Reposition dataset currently printing)
      15  -  INTERRUPT     (Interrupt dataset currently printing)
```

Screen Options

The table describes the fields as they are displayed on the screen.

Option	Description
3	START command is used to remove the drain status from the specified printer.
4	STOP command is used to place the specified printer in a drained status and terminate further printing. The *VPS Printer Stop Pop-Up* screen is displayed.
6	REPEAT command is used to repeat the report that VPS is currently printing.
7	RESTART command is used to restart the report that VPS is currently printing.
8	REPOSITION command is used to reposition the report that VPS is currently printing. The *VPS Reposition Pop-Up* screen is displayed.
15	INTERRUPT command is used to interrupt the report currently printing.

How to Access Options

To access any option on this screen, type the desired option on the command line and press **<Enter>**, i.e. 3 for starting the printer.

VPS STOP Command Pop-Up

When option 4 is selected, a pop-up window will be displayed. The values for the pop-up window are:

Value	Description
N	Drains the printer at the end of the current report being printed. Press **<Enter>** if this is the value desired.
I	Drains the printer immediately even if currently processing a report. Type I and press **<Enter>** if this is the value desired.
F	Drains the printer immediately even if waiting for an event to occur; for example, forms mount. Type F and press **<Enter>** if this is the value desired.

Screen Example

```
------------------------ VMCF Printer Command Menu --------------------------
 COMMAND ===>
                                                          USERID   - FXX####
    PRINTER ===> PRT239                      Printer Stop _____   F558A56
    GROUP   ===>                       |                           | PS
    STATUS  ===>                       | (N)ormal, (I)mmediate, (F)orce  N | XX####
                                       |
      3  -  START       (Remov | Press ENTER to complete request  |
      4  -  STOP        (Set D | Press END to cancel request      |
      6  -  REPEAT      (Repea |_____|
      7  -  RESTART     (Restart dataset currently printing)
      8  -  REPOSITION  (Reposition dataset currently printing)
     15  -  INTERRUPT   (Interrupt dataset currently printing)
```

VPS REPOSITION Command Pop-Up

When option 8 is selected, a pop-up window will be displayed. Using the tab key tabbed to each field and types the desired value. The values for the pop-up window are:

Field	Value	Description
DIRECTION	F	Reposition report forward (page forward in report)
	B	Reposition report backward (page backward in report)
	A	Reposition report to the absolute position within the report
UNIT	L	Reposition report by line count.
	P	Reposition report by page count.
AMOUNT	#	The number of lines or pages to move the report forward or backward.

Screen Example

```
------------------------ VMCF Printer Command Menu --------------------------
 COMMAND ===>
                                                    USERID   - FXX####
    PRINTER ===> PRT239                             TERMINAL - KF558A56
 GRO |                       Reposition _____| PS
 STA |                                                       | XX####
     | Direction ===> F       (F)orward, (B)ackward, (A)bsolute |
   3 | Unit      ===> L       (L)ines, (P)ages                |
   4 | Amount    ===>         Reposition Amount               |
   6 |                                                        |
   7 | Press ENTER to complete request                        |
   8 | Press END to cancel request                            |
  15 |_____|
```

How to Use the VPS Printer Selection List

Introduction

The *VPS Printer Selection List* is a full screen, scrollable list of all printers that meet the user-specified selection criteria. This list provides access to the various VMCF printer displays.

How to Access VPS Printer Selection List

To access the *VPS Printer Selection List*:

1. Type **2** in the *Option* field of the *VMCF Primary Option Menu*.
2. Press **<Enter>.**

Note: Base on security rules, you may have access too more then one VPS group. To access a specific VPS group, tab to the *Group* field and enter the desired VPS Group Id, i.e., VPS678 (Austin State School). Do not have an entry in the *Printer* field.

Screen Example

```
----------------------- VMCF Printer Selection List -------------------------
 COMMAND ===>                                            SCROLL ===> PAGE

   C - Command  H - Held Queue  Q - Output Queue  S - Summary

   MBR NAME LUNAME    WAITING STATUS
 _ PRT087   XF780087   NONE IDLE        C=MNOP D=PRT087 F=AUTO
 _ PRT095   XF780095   NONE IDLE        C=MNOP D=PRT095 F=AUTO
 _ PRT096   XF780096   NONE IDLE        C=MNOP D=PRT096 F=AUTO
 _ PRT098   XF780098   NONE IDLE        C=MNOP D=PRT098 F=AUTO
 _ PRT1087  XF781087   NONE IDLE        C=MNOP D=PRT1087 F=AUTO
 _ PRT1244  XF781244   NONE IDLE        C=MNOP D=PRT1244 F=AUTO
 _ PRT127   XF780127   NONE IDLE        C=MNOP D=PRT127 F=AUTO
 _ PRT246   XF780246   NONE IDLE        C=MNOP  D=PRT246 F=AUTO
 _ PRT354   XF780354   NONE IDLE        C=MNOP D=PRT354 F=AUTO
 _ PRT409   XF780409   NONE IDLE        C=MNOP D=PRT409 F=AUTO
 _ PRT631   XF780631   NONE IDLE        C=MNOP D=PRT631 F=AUTO
 _ PRT952   XF780952   NONE IDLE        C=MNOP D=PRT952 F=AUTO
 _ PRT990   XF780990   NONE IDLE        C=MNOP D=PRT990 F=AUTO
   **END**
```

VPS Printer Select Commands

To access a particular menu or screen for a desired printer, tab down to that printer and type one of the following commands and press **<Enter>**.

Command	Screen Displayed
C	*VPS Printer Command Menu*
H	*VPS Held Queue*
Q	*VPS Printer Output Queue*
S	*VPS Printer Summary screens*

VPS Printer Selection List Column Headings

The table describes the information, contained under each *VPS Printer Selection List* column heading.

Column Heading	Description
MBR NAME	Print queue name (printer id).
LUNAME	Print queue VTAM Logical Unit Name
WAITING	The number of reports waiting to print; this value is only for the *VPS PRINTER OUTPUT QUEUE*; it does not include any reports being held in the *VPS PRINTER HELD QUEUE*. Note: If the value of "UNKNOWN" or "UNVAIL" is displayed, contact the Central Help Desk.
STATUS	Contains the current VPS printer status (see the chart below for definition of status values).

The information to the right of each print queue name after *STATUS* will be either:

1. Information about the print queue, i.e., output classes, print destination (will be the same as the *MBR NAME* except for special defined printers), form requirement.
2. If the printer is having a problem, an error message will be displayed.

Status Values

Status	Description
ABENDED	VPS subtask has failed, contact the Central Office Help Desk.
BUSY	Is being accessed by one of the VPS utility functions
DRAINED	Was stopped by an authorized user
DRAINING	Currently printing but will stop when printing is completed.
EDRAINED	Was stopped due to an error condition.
FORMWAIT	Waiting for a form to be mounted.
IDLE	Waiting for work.
INTVREQD	Intervention required
PRINTING-M or MISSRESP	Missing response from the printer has been detected
POWEROFF	Printer is powered off.
PRINTING	Currently printing a report
QUEUING	Queuing a report to be printed.
WCONNECT	Waiting for connection with the printer to start printing the report.

How to Use the VPS Printer Held Queue

Introduction

The *VPS Printer Held Queue* is a full screen, scrollable interface to the held output queue.

How to Access VPS Printer Held Queue

From the VMCF Primary Option Menu

1. Type **H** in the *OPTION* field
2. Tab to the *PRINTER* field and type the print queue name (prt0xx, prtxxx, prtxxxx)
3. Press **<Enter>**

From the VPS Printer Selection List

1. Tabbed to the desired print queue name.
2. Type **H** in front of the print queue name.
3. Press **<Enter>**

Note: The *VPS Printer Held Queue* screen can be access from any screen by pressing the PF6 key except from the *VMCF Primary Option Menu*.

Screen Example

```
------------------------ VPS Printer Held Queue ----------------------------
 COMMAND ===>                                              SCROLL ===> PAGE

  MBR NAME LUNAME   WAITING STATUS
  PRT239  XF720239       1 PRINTING   F720041  (JOB00159)  P-------3 L-----133

  CLASS  ==> MNOP      DEST ==> PRT239   FORM ==> AUTO    WRITER ==>
  TOTAL LINES: 417              PREFIX:              LINE   1 TO   3 OF   3
------------------------------------------------------------------------------
  JOBNAME  JOBID    QUEUE   STATUS   PRI C DEST     FORM WRITER   FCB TOTAL LINES
_ BC2322   JOB01407 HOLD             144 O PRT239   STD  HC027400 ****        84
_ BG2101   JOB00937 HOLD             144 O PRT239   STD  HG040600 ****       324
_ BG2103   JOB00906 HOLD             144 O PRT239   STD  HG030620 ****         9
  **END**
```

VPS Printer Held Queue Column Headings

The table describes the information contained under each column heading.

Column Heading	Description
JOBNAME	Name of the job that created the report
JOBID	Mainframe assigned job number (not applicable)
QUEUE	HOLD is displayed to indicate that output is being held
STATUS	(not applicable)
PRI	Output Priority (not applicable)
C	Report print output class
DEST	Print queue associated with selected printer
FORM	Form name. Valid entry is STD
WRITER	Report ID or JHS/XPTR Print Driver name

Column Heading	Description
FCB	System File Control Block Name (not applicable)
TOTAL LINES	Report total line count

To Release a Report

To release a report you must:

- Tab to the report that is to be released
- Type **R** to the left of the JOBNAME
- Press **<Enter>**

To release more than one report, type **R** next to each report (left of JOBNAME) to be printed and after selecting reports, press **<Enter>**.

Note: Ensure that you are not over-typing any fields that you are allowed to change. For example, if the DEST field was changed, the report has been moved to a print queue that is not defined to either the mainframe or the VPS system.

To Delete a Report

To delete a report you must:

- Tab to the report that is to be deleted
- Type **D** to the left of the JOBNAME
- Press **<Enter>**

To delete more than one report, type **D** next to each report (left of the JOBNAME) to be deleted and after selecting reports, press **<Enter>**.

Notes:

1. Ensure that you are not over-typing any fields that you are allowed to change. For example, if the DEST field was changed, the report has been moved to a print queue that is not defined to either the mainframe or the VPS system.
2. Exercise care in using this option because output deleted form the Held Queue cannot be recovered. If a report was deleted in error, you can re-print the report from JHS/XPTR.

To Change a Report to a Different Print Queue

To change a report to a different print queue you must:

- Tab to the report that is to be changed
- Tab to the DEST field
- Type the new print queue
- Press **<Enter>**

Note: Ensure that the new print queue name is entered correctly before pressing **<Enter>.** If the DEST field was changed incorrectly, the report has been moved to a print queue that is not defined to either the mainframe or the VPS system or to a print queue that is defined to another component.

How to Use the VPS Printer Output Queue

Introduction

The *VPS Printer Output Queue* is a full screen, scrollable interface to the held output queue.

How to Access VPS Printer Output Queue

From the VMCF Primary Option Menu

1. Type **Q** in the *OPTION* field
2. Tab to the *PRINTER* field and type the print queue name (prt0xx, prtxxx, prtxxxx)
3. Press **<Enter>**

From the VPS Printer Selection List

1. Tabbed to the desired print queue name.
2. Type **Q** in front of the print queue name.
3. Press **<Enter>**

Note: The *VPS Printer Output Queue* screen can be access from any screen by pressing the PF5 key except from the *VMCF Primary Option* menu.

Screen Example

```
------------------------ VPS Printer Output Queue ----------------------------
 COMMAND ===>                                              SCROLL ===> PAGE

  MBR NAME LUNAME    WAITING STATUS
  PRT239   XF720239       3 PRINTING   F720041  (JOB00157)  P-------3 L-----141

  CLASS  ==> MNOP      DEST ==> PRT239   FORM ==> AUTO    WRITER ==>
  TOTAL LINES: 311               PREFIX:            LINE   1 TO    3 OF    3
------------------------------------------------------------------------------
  JOBNAME  JOBID    QUEUE   STATUS  PRI C DEST     FORM WRITER   FCB TOTAL LINES
_ F720041  JOB00157 OUTPUT PRTING  146 P PRT239   STD           ****        141
_ F720041  JOB00158 OUTPUT         146 P PRT239   STD           ****         37
_ F720041  JOB00159 OUTPUT         146 P PRT239   STD           ****        133
  **END**
```

VPS Printer Output Queue Column Headings

The table describes the information contained under each column heading.

Column Heading	Description
JOBNAME	Name of the job that created the report
JOBID	Mainframe assigned job number (not applicable)
QUEUE	HOLD is displayed to indicate that output is being held
STATUS	(not applicable)
PRI	Output Priority (not applicable)
C	Report print output class
DEST	Print queue associated with selected printer
FORM	Form name. Valid entry is STD
WRITER	Report ID or JHS/XPTR Print Driver name
FC	System File Control Block Name (not applicable)
TOTAL LINES	Report total line count

To Release a Report

To release a report you must:

- Tab to the report that is to be released
- Type **R** to the left of the JOBNAME
- Press **<Enter>**

To release more than one report, type **R** next to each report (left of JOBNAME) to be printed and after selecting all reports to be released, press **<Enter>**.

Notes:
1. Ensure that you are not over-typing any fields that you are allowed to change. For example, if the DEST field was changed, the report has been moved to a print queue that is not defined to either the mainframe or the VPS system.
2. If the *STATUS* field has a value of JOBHOLD, an operator issuing a mainframe command to hold the job that created the report. This report can only be release by an operator at the mainframe console. If the report needs to be printed, contact the *Central Help Desk* to have the report released.

To Delete a Report

To delete a report you must:

- Tab to the report that is to be deleted
- Type **D** to the left of the JOBNAME
- Press **<Enter>**

To delete more than one report, type **D** next to each report (left of the JOBNAME) to be deleted and after selecting all reports to be deleted, press **<Enter>**.

Notes:
1. Ensure that you are not over-typing any fields that you are allowed to change. For example, if the DEST field was changed, the report has been moved to a print queue that is not defined to either the mainframe or the VPS system.
2. Exercise care in using this option because output deleted form the Output Queue cannot be recovered. If a report was deleted in error, you can re-print the report from JHS/XPTR.

To Hold a Report

When a report is held, VPS will not print the report until it has been released. To hold a report you must:

- Tab to the report that is to be held
- Type **H** to the left of the JOBNAME
- Press **<enter>**

To hold more than one report, type **H** next to each report (left of the JOBNAME) to be held and after selecting all reports to be held, press **<Enter>**.

If the request is successful, the *STATUS* field will be changed to NOSLEC.

To Change a Report to a Different Print Queue

To change a report to a different print queue you must:

- Tab to the report that is to be changed
- Tab to the DEST field
- Type the new print queue
- Press **<Enter>**

Note: Ensure that the new print queue name is entered correctly before pressing **<Enter>. I**f the DEST field was changed incorrectly, the report has been moved to a print queue that is not defined to either the mainframe or the VPS system or to a print queue that is defined for another component.

PRINTING Status

A value of PRINTING in the *STATUS* field for any report currently printing. If the queue has a list of reports, the report currently printing will have a status of PRTING.

How to Use the VPS Printer Summary

Introduction

> The *VPS PRINTER SUMMARY* screens are formatted displays of the printer
> parameters and statistics for a select printer. The printer parameters and
> statistics are displayed on nine separate screens.

How to Access VPS Printer Summary

> From the VMCF Primary Option Menu

1. Type **S** in the *OPTION* field of the *VPS PRINTER Command Menu*.
2. Tab to the *PRINTER* field and type the print queue name (prt0xx,
   prtxxx, prtxxxx)
3. Press **<Enter>**

> From the VPS Printer Selection List

1. Tabbed to the desired print queue name.
2. Type **S** in front of the print queue name.
3. Press **<Enter>**

> Note: The *VPS Printer Summary* screens can be access from any screen by holding the shift key down and
> pressing PF2 (PF14) key except from the *VMCF Primary Option Menu*.

Parameters and Statistics

> The *VPS Printer Summary* screens contains parameters and statistics used by
> support staff to research any problems that have been reported to the *Central
> Help Desk*.

VPS Printer Summary Screens Examples

> The following screens can be useful in troubleshooting problems with any printer.
> The parameters are flagged with comments on each one after the screen
> example.

Screen 1

```
------------------------- VPS Printer Summary --------------- SCREEN 1 OF 9
 COMMAND ===>

  MBR NAME LUNAME   WAITING STATUS
  PRT511   XF560511    NONE IDLE         C=MNOP D=PRT511 F=AUTO
---------------------------------------------------------------------------
OPERATIONAL PARMS:          OPERATIONAL PARMS:          HARDWARE FEATURES:
  APL CLASSES -               IPDS CLASSES -              ALARM    - NO
  AUTO EJECT   - N N N N       MAX LPG     - 0   ---      AUTONL   - NO
  CHKPT L/P   - (0,0)          MERGE       - YES          CPI      - 0
  COMPRESS    - (Y,Y,T)        NCC SPACE   - 1            CR CHAR  - X'0D'
  DBCS CLASSES -               PRT MSGS    - YES          FORMFEED - YES
  DBCS XLATE  - NO             SAF         - (N,EDR)      FFSEQ    - X'0D0C0D'
  DBCS TABLE  -                TRAIL BLANK - NO           MPP      - 0
  DBCS SOSI   - KEEP           TRUNCATE    - 0            NLSEQ    - X'0D0A'
  DBCS SO REPL - X'0E'         XLATE       - YES
  DBCS SI REPL - X'0F'         XLATE APL   - VPSSXAPL
  DCA CLASSES -                XLATE EMAIL - VPSSXASC
  DRAINED     - NO             XLATE PRTR  - VPSSXASC
  DSBATCH     - (Y,Y,Y)
  ERR ACTION  - (STD,Y,EDR,EDR)
```

AUTO EJECT

AUTO EJECT

This field indicates Y (yes) or N (no) for the following form feed:
- Perform a form feed at the beginning of reports that do not begin with a skip to top of page
- Perform a form feed at the beginning of each report
- Perform a form feed at the beginning of each print session
- Perform a form feed at the end of each report

Screen 4

```
------------------------- VPS Printer Summary --------------- SCREEN 4 OF 9
 COMMAND ===>

  MBR NAME LUNAME   WAITING STATUS
  PRT511   XF560511    NONE IDLE         C=MNOP D=PRT511 F=AUTO
---------------------------------------------------------------------------
MISCELLANEOUS PARMS:                    MISCELLANEOUS PARMS:
  DEFAULT MBR  -                          GROUP NAME  - VPS656
  DEVTYPE     -                           LOG DATA    -
  DIAL        - NO                        POOL        - NO
  FCB         - (N,6,E)                   PRT OPTIONS - X'02000000'
  NOTIFY      - (N,N,N,N)
  NOTIFY EMAIL -
  NOTIFY USERID -
  PCMD ACTION  - (NOTRN,DEF)
  PCMD DSNE   -
  PCMD DSNS   -
  PCMD END    - (,)
  PCMD OPTS   - X'00000000'
  PCMD SEPE   -
  PCMD SEPS   -
  PCMD STRT   - (SSTD,SSTD,&WRITER)
```

Group Name

Default Print Format

GROUP NAME

The VPS group that this printer belongs too. Group name starts with VPS followed by the component code, i.e., VPS678 (Austin State School).

Default Print Format

The print format that the printer will print when a report has been sent to the print queue for the particular printer; i.e., SSTD (simplex standard – landscape print on one side only).

Screen 5

```
-------------------------- VPS Printer Summary --------------- SCREEN 5 OF 9
  COMMAND ===>

   MBR NAME LUNAME   WAITING STATUS
   PRT511   XF560511   NONE IDLE        C=MNOP D=PRT511 F=AUTO
  --------------------------------------------------------------------------
MISCELLANEOUS PARMS:
   RJE        - (N,N,N,N)
   SEPARATOR  - N VPSSSEPR DATASET
   SEPAR TRACE - 00
   SEPINFO    - HPL
   SERVER     - VPSVSV
   SMF        - YES
   SNAP       - NO
   SVF ACTION - (Y,Y,Y)
   TPUT USERID -
   TRACE      - YES 00
   WFW ACTION - NONE
   USER DATA  -
```

Page Separator ············→ SEPARATOR

Type Of Printer ············→ SEPINFO

Page Separator

The SEPARATOR field indicates whether or not a separator page will be printed and the name of the VPS separator module. The first value indicates whether or not a separator page is printed. The values are:

- N = No separator pages are to be printed
- S = Print a separator page at the start of a report
- E = Print a separator page at the end of a report
- B = Print a separator page at the start and end of a report

Type of Printer

The value in this field indicates the type of printer, which is defined to this print queue. The current values are HPL for a laser jet printer or PS for a post script printer.

Screen 8

```
----------------------------- VPS Printer Summary ---------------- SCREEN 8 OF 9
  COMMAND ===>

   MBR NAME LUNAME   WAITING STATUS
   PRT511   XF560511    NONE IDLE        C=MNOP D=PRT511 F=AUTO
  ---------------------------------------------------------------------------------
  PRIMARY SEL CRITERIA:        SECONDARY SEL CRITERIA:  PRINTING STATISTICS:
    CLASS  - MNOP                 CLASS  -                INIT DATE - 08/05/2001
    DEST   - PRT511               DEST   -                INIT TIME - 19:34:48
    FORM   - AUTO                 FORM   -
    WRITER -                      WRITER -                TOT JOBS  - 12
                                                          TOT D/S   - 15
                                                          TOT PAGES - 31
                                                          TOT LINES - 1,197
                                                          TOT RELRQ - 0
```

Date and
Time

Print
Statistics

Date and Time

> The date and time fields indicate when the print queue was activated for the current session of VPS. The VPS started task is cycled every Sunday. If the date is not a Sunday date, this indicates one of two occurrences.

- The print queue was added to the VPS system on this date and time.
- The print queue had a changed made to it and the print queue was reactivated to make the changes effective.

Print Statistics

> These fields show the printer activity. If these fields are zero (0), the printer has not been used since the printer was activated.

Screen 9

```
--------------------------- VPS Printer Summary ---------------- SCREEN 9 OF 9
  COMMAND ===>

   MBR NAME LUNAME   WAITING STATUS
   PRT511   XF560511    NONE IDLE        C=MNOP D=PRT511 F=AUTO
  --------------------------------------------------------------------------------
  DATASET STATISTICS:                        CONNECTION PARAMETERS:
    CNTL LENGTH - 0                            CHAIN SIZE  - 0
    DATA LENGTH - 0                            COMMTYPE    - (TCPIP,LPD,)
    CNTL SENT   - 0                            CONNECTED   - NO
    DATA SENT   - 0                            LOCAL PORT  - 0
    TOTAL SENT  - 0                            MRD INTRVLS - 0
                                               RELREQ      - I
                                               REMOTE PORT - 515
  TCP/IP PARAMETERS:                           SEND BUFFER - 4096
    DISCONNECT  - (N,Y,00:10)
    IP ADDR     - 168.60.112.101
    MRD TIMEOUT - 00
    OPTIONS     - X'00400000'
    HOST        - 83064308.wfh.mhmr.state.tx.us
    LOCAL PORT  - 721-731
    PRINTER     - HUMAN_RESOURCES_HPIIISI
```

IP Address

IP DNS Name

PRINTER

IP Address

IP address assigned to this printer. If the field is 0.0.0.0 indicates:

- That no report has been sent to this printer.
- The IP DNS Name is invalid and the printer is showing a status of EDRAINED.

IP DNS Name

IP DNS name assigned to the IP address.

PRINTER

Normally, this value is either the first node of the IP DNS Name or a location value. There are several special value that are used in place of the previous mention values.

- LPD_MHMR – this indicates that this is a PC running NIPRINT software.
- RAW3 – this indicates that this is a multi-port jet direct card where the printer is plugged into port 3.
- lp – this indicates that this is a Xerox DocCentre.
- PASSTHRU – this indicates that this is not a HP JetDirect card but a similar type card that has special values to allow print on this printer.
- TEXT – same as PASSTHRU but this printer is a dot matrix.

VMCF Tutorial

Introduction

The *VMCF Tutorial* is an online tutorial covering the VMCF and VPS systems. This selection is provided to allow you to become more familiar with the systems.

Note: Due to security restrictions, you may not have access to certain areas covered in the tutorial.

How to Access

To access the *VMCF Tutorial* screens:

1. Type **T** in the *OPTION* field of the *VMCF Primary Option Menu*
2. Press **<Enter>**

Screens Examples

Help Screen – first screen display when VMCF Tutorial is requested.

```
----------------------------- Screen Help ---------------------------------
 COMMAND ===>                                          SCROLL ===> PAGE

  Welcome to the VMCF tutorial.  This tutorial provides online information
  about the features and operation of VPS and VMCF.  You may access the
  tutorial from any VMCF screen by entering the HELP command.

  The following commands may be used while viewing the tutorial:

  UP   - scroll up within the same screen
  DOWN - scroll down within the same screen

  END  - end the tutorial

  TOC  - display the tutorial table of contents

  HELP - display this screen from within the tutorial

  You may view the tutorial sequentially by repeatedly pressing the ENTER
  key.  Alternatively, specific topics may be selected from lists that are
  displayed on many of the tutorial screens.

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

Help Screen – VMCF/VPS Topic selections

```
----------------------------- Screen Help ---------------------------------
 COMMAND ===>                                          SCROLL ===> PAGE

  Select a topic by number, or press ENTER to view the topics in sequence:

  VMCF Screens:                        General Information:

  1 - VMCF Parameter Options            8 - VMCF Screen Format
  2 - VPS Printer Command Menu          9 - PF and PA Key Usage
  3 - VPS Printer Selection Menu       10 - Command Format
  4 - VPS Started Task List            11 - VMCF Commands
  5 - Server User List                 12 - VMCF/VTAM Commands
  6 - Starting a VPS System            13 - VPS Commands
  7 - VMCF/VTAM Options                14 - MVS Commands
                                       15 - JES2 Commands
                                       16 - JES3 Commands
                                       17 - VTAM Sense Codes
                                       18 - Server Commands

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

VMCF Message Area Messages

VMCF Messages

The following messages may be displayed in the message area (upper right hand corner) of the VMCF screens.

Message	Description
AUTHORIZATION FAILURE	The user has attempted to perform a function or issue a command for which the user is not authorized.
COMMAND ISSUED	The specified command has been issued.
COMMAND REJECTED	The specified command has been rejected by the VMCF command exit.
ENTER PRINTER NAME	Enter the specified printer name (print queue name).
GENERIC PRINTER INVALID	Generic printer ID or print queue name is not allowed for

Message	Description
	printer queue display.
GROUP NOT FOUND	No printers are defined to VPS with the specified group name.
HELP NOT AVAILABLE	Help is not available for the requested topic.
INVALID COMMAND	The command entered is invalid.
INVALID DESTINATION	The destination specified is invalid.
INVALID FORM NAME	The form name specified is invalid.
INVALID GROUP NAME	The group name specified is invalid.
INVALID MEMBER NAME	The member name specified is invalid.
INVALID OPTION	The option specified is invalid
INVALID PRINTER NAME	The printer name specified is invalid.
INVALID STATUS	The status specified is invalid. Valid Values are **A**, **I**, **D**, **E**, **M** and **W**.
NO PRINTER(S) FOUND	No printer(s) were found that meets the specified selection criteria.
PRINT DATASET CANCELED	The report printing has been canceled.
PRINT DATASET OPENED	The report is currently printing.
PRINTER IN SESSION	A report is currently printing on the requested printer.
PRINTER IS EDRAINED	A report was attempting to print but the printer has an error that needs to be evaluated before the printer can start printing.
PRINTER NOT FOUND	The specified printer is not currently defined to VPS.
PRINTER NOT PRINTING	A VPS CANCEL, REPEAT, RESTART, or REPOSITION command entered for a printer that is not currently printing.
TOO MANY IDENTIFIERS	Too many printer identifiers were entered. Printer name, group name and status are mutually exclusive.
VPS IS TERMINATING	The command entered was not issued because VPS is terminating.
…… IS NOT ACTIVE	The VMCF command identified in the message text is not valid on the current screen.

Note: Contact the Central Help Desk for resolution to any message not listed above.

VPS Error Messages – TCP/IP Errors

VPS TCP/IP Messages

The following TCP/IP error messages are the most command errors and may be displayed to the right of each print queue name after *STATUS* field on the *VPS Printer Selection List*, *VPS Printer Output Queue, or VPS Printer Held Queue.*

Message	Description
TCPIP CONNECTION NOT AVAILABLE	Connection to the remote TCP/IP host is not available at this time. Most common reasons are: 1. PORT IS UNREACHABLE (Printer is currently busy with another print request, off-line or turned-off.) 2. TRANSMISSION TIMEOUT (No response has been received by VPS to

Message	Description
	allow printing to occur.)
TCPIP ERR=ALIAS (NABUF) DOES NOT EXIST	The IP DNS name is not found when a DNS lookup occurs.

Trouble Shooting

TCPIP CONNECTION NOT AVAILABLE

1. Go to the *VPS Printer Output Queue* for the printer with error.
2. Press PF9, which will issue a start command for the printer.
3. If the printer shows a status of PRINTING then the printer is okay
4. If the printer shows a status of WCONNECT
   - And returns back with the TCPIP CONNECTION NOT AVAILABLE, the possible cause is the PORT IS UNREACHABLE.
   - And the status stays for a long period of time, then shows the TCPIP CONNECTION NOT AVAILABLE; the possible cause is a TRANSMISSION TIME.

For PORT IS UNREACHABLE, need to check to see if the printer is online, not printing another job, has been turned off or in the case of an NIPRINT printer, is the software running on the PC? To determine if the printer is running NIPRINT, the standard printer name is LPD_MHMR. The printer name can be found on screen 9 of the VPS printer statistics.

For TRANSMISSION TIME, need to check the configuration of printer and ensure that LP print is enable or no network problems are occurring.

TCPIP ERR=ALIAS (NABUF) DOES NOT EXIST

Verify the IP DNS name against the IP address that is shown in the Remedy Printer Definition system against the TCP/IP database system on the mainframe. If they do not match then correct the Remedy Printer definition, this will generate a change to correct the mainframe printer definition automatically.

The best procedure to ensure that the IP DNS name will get the IP address in the Remedy Printer Definition system is to do the following steps:

1. Clear the DNS and IP address fields
2. Type the DNS name up to the period (.) before mhmr.state.tx.us and press **<Enter>**. The system will do a NSLOOKUP of the DNS name to get the correct IP address.

Note: When the printer has been successfully re-installed, a test print will be sent to the printer.

PRINTING-M

1. Go to the *VPS Printer Output Queue* for the printer with error.
2. Press PF10, which will issue a stop command with force for the printer.
3. After the printer has a status of DRAINED, press PF9, which will issue a start command for the printer.
4. If the printer shows a status of PRINTING then the printer is okay.

If the error message indicates a TCP/IP error other than the ones above, try issuing the start command for that printer. Most of the time the printer will start printing. If this does not resolve the problem, either forward the trouble ticket to *System Programming or have a trouble ticket submitted to *System Programming with the steps that you accomplished in trouble shooting the problem.

JHS/XPTR Print Drivers

The following is a list of JHS/XPTR Print Drivers and the writer name that can be seen under the *WRITER* column on the *VPS Printer Output Queue* and *VPS Printer Held Queue.*

Print Driver	Writer Name	Description
PCMD	CLAIMDUP	Report will print compress landscape on both sides (Note 2)
PCMS	CLAIMSIM	Report will print compress landscape on one side (Note 2)
PDLC	DUPCMLAN	Report will print compress landscape on both sides (Note 1)
PLND	LANDUP	Report will print landscape on both sides
P5	P5FORM	Report will print the HR-5 Form
PO	POFORM	Report will print the purchase order form
POR	POR	Report will print portrait on one side.
PORD	PORDUP	Report will print portrait on both sides.
PRFQ	RFQ	Report will print the request for quotation form
PLAN	SIM	Report will print landscape on one side
PSLC	SIMCMLAN	Report will print compress landscape on one side (Note 1)

Notes:
1. Print lines that are greater then 132 characters per line and less then 166 characters per line.
2. Print lines that are greater then 166 characters per line.

Batch Writer Names

The following table list batch writer names that are used in nightly processing of jobs on the mainframe or used by special request.

Writer Name	Description
PLANDUP	Report will print landscape on both sides (Note 1, 2)
P2DN	Report will print 2 pages landscape on one side (Note 1, 2)
P2DNDUP	Report will print 2 pages landscape on both sides (Note 1, 2)
P2UP	Report will print 2 pages portrait on one side (Note 1, 2)
P2UPDUP	Report will print 2 pages portrait on both sides (Note 1,2)
SPOR	Report will print portrait on one side; first print line is 2 lines higher then

Writer Name	Description
	POR.
WHT	Report will print landscape on one side
WHTDUP	Report will print landscape on both sides

Notes:

1. Special use only.
2. Requires postscript software on printers.