

NAF - Devices - Function 11

When you invoke this function, the Device Status screen appears.

Time 14:48:52		*** Natural Spool Administration ***					Date 2002-10-22			
User SAG		Device Status					File 7/411			
Cmd	Phys.Prt	Stat	Reason	/Fct.	Cluster	O	P	Dest/Form	Job No	System

SE										
__	A001	FREE	--	--	--	-	N			CICS
__	BPM	DEAC	--	--	--	-	N			CICS
__	BS2PID	FREE	--	--	--	-	N			BS2000
__	DAEPRTCA	FREE	--	--	--	-	N			CICS
__	DAEPRT10	FREE	--	--	--	-	N			CICS
__	DAEPRT12	FREE	--	--	--	-	N			IMS/TM
__	DAEPRT13	FREE	--	--	--	-	N			CICS
__	DAEPTR10	FREE	--	--	--	-	N			CICS
__	DAPERT13	FREE	--	--	--	-	N			CICS
__	DEAPRTCA	FREE	--	--	--	-	N			CICS
__	DR1171	FREE	--	--	--	-	N			BS2000
__	DR1490	FREE	--	--	--	-	N			BS2000
__	HCTEST	FREE	--	--	--	-	N			CICS
__	HHIPID	FREE	--	--	--	-	N			CICS
Enter command or press PF key.										
Command ==>										
Enter-PF1---PF2---PF3---PF4---PF5---PF6---PF7---PF8---PF9---PF10--PF11--PF12---										
Help Menu Exit Repo Selec - + Det 1 Top Canc										

In the Cmd column on the left, you can enter the commands described below.

In the SE line, you can specify selection criteria. A list of printers matching the selection criteria will then be shown. For example, if you only want to display a list of deactivated printers, enter DEAC in the Stat column of the SE line.

PF4 displays the Report(s) screen.

PF6 displays the Printer Selection screen.

PF7 displays the previous screen page, PF8 displays the next screen page, and PF11 returns you to the top of the list.

Pressing PF9 two times displays two different screens with more detailed printer information (see the output examples).

This section provides information on the screen columns, the types of printer status, the commands and the PF keys provided with the Devices function:

Below is information on:

- Screen Columns
- Printer Status
- Commands
- PF Keys

Screen Columns

Column	Description
Phys.Prt	Physical printer to which the report has been assigned.
Stat	Printer status.
Reason/Fct.	<p>CICS: Error during the check of availability of a printer or during the start of the spool server.</p> <p>IMS/TM: Error during START REGION command for BMP (see relevant IMS/VS literature for status code).</p> <p>BS2000/OSD: Return codes from the spool server, especially those of the system macros YSEND, YRECEIVE, SOLSIG and PRINT, or negative acknowledgments from the printer hardware.</p>
Cluster	Name of the attached cluster.
O	Entered operator command.
P	Printer mode "Private" (Y/N).
Dest/Form	Destination and form of the report.
Job No	Job number of the report.
System	The TP system for which the printer has been defined.

Printer Status

The following table describes the various types of printer status.

Status	Description
BUSY	A free printer has been selected and the spool server has got control.
FREE	The printer is ready to be activated (a spool server can be started on the printer).
DEAC	The printer has been deactivated by the operator command DE. To restart the printer, reset it to FREE using the command FR or AC, and enter a start command on the Report Selection screen.
HUNG	<p>CICS: A start command for a spool server was issued, but failed. Reasons for failure are any exceptional conditions of the EXEC CICS START command. The most probable conditions are: the physical printer as added on the spool file is not defined or has been mistyped in the CICS Terminal Control Table; or the transaction identifier of the spool server as defined in the CICS options is not defined or has been mistyped in the CICS Program Control Table. To restart the printer, reset it to FREE using FR, and enter a start command on the Report Selection screen.</p> <p>IMS/TM: An IMS/TM "/STA REG" command was issued, and a non-blank status code was returned.</p> <p>UTM/TIAM: The printer cannot be activated, because information on the DCAM table, the message header or the header page is missing.</p>
INOP	<p>CICS: A start command for a spool server has been executed successfully. After logon to SYSPRINT, it was detected that the printer: - was not available; or - was no longer available (invalid terminal ID); or - the terminal status (TCTTETS) of the printer is greater than 15. The most probable cause is an invalid definition in the CICS Terminal Control Table. To restart the printer, reset it to FREE using FR, and enter a start command on the Report Selection screen.</p> <p>UTM/TIAM: A start command for a report has successfully been executed, but the printer is not available. The printer has to be restarted manually by resetting it to FREE using FR, and issuing a start command on the Report Selection screen.</p>
OUTS	<p>This status only applies to CICS. The printer is designated as OUT OF SERVICE by CICS (that is, it is not polled by CICS). To restart the printer, reset it to FREE using FR, and enter a start command on the Report Selection screen. If the printer is still OUT OF SERVICE in CICS, a window appears indicating possible CICS problems. If you enter the FORCE command in this window, NATSPOOL sets the printer IN SERVICE and starts the spool server.</p>
PDER	Error in printer definition.
PEND	A free printer has been selected but the spool server has not yet got control.

Note for CICS usage:

Each status type describes the printer as it is defined to NATSPOOL. The CICS printer status (CEMT I TERM(XXXX)) can be different from the NATSPOOL status. For example, it is possible to set a printer FREE in NATSPOOL while it is OUT OF SERVICE in CICS.

Commands

For each printer, administration functions can be invoked by entering any of the line commands listed below in the Cmd column.

Command	Description
Status functions	
AC	Activate a printer which has the status DEAC.
DE	Deactivate the printer.
FR	Set the printer to status FREE.
Form functions	
PM	Premount a form (Destination/Form).
RM	Remove a form (Destination/Form).
Operator functions	
FL	Stop printout on the activated printer and continue with the next report.
HI	Stop the activated printer immediately.
ST	Stop the activated printer after the end of the report.
PO	Position the printout to the beginning of the page.
Miscellaneous functions	
DQ	Show the current report queue for the active printer.
ZO	Show detailed information for a physical printer.

PF Keys

- Example of Output from PF6
- Example of Output from PF9

Example of Output from PF6

```

Time 13:58:06          *** Natural Spool Administration ***      Date 2002-10-22
User SAG                Printer Selection          File 7/411

Printer selection

All printers           X
For user ID            _____
For printer            _____

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Optional selection parameters

Destination _____ /Form _      Status _____      Private (Y/N)  _
System CICS_____      Cluster _____

Enter values for selection.
Command ==>
Enter-PF1---PF2---PF3---PF4---PF5---PF6---PF7---PF8---PF9---PF10--PF11--PF12---
```

On this screen, you can select printers.

If Natural Security is installed, the modifiable fields in this screen depend on the defined user type.

Note:

The Cluster(s) field only appears, if the cluster option has been activated (see Function 30.5).

Example of Output from PF9

Pressing PF9 once displays the first Detailed Attributes screen.

```

Time 13:59:09          *** Natural Spool Administration ***          Date 2002-10-22
User SAG                Detailed Attributes 1                      File 7/411

Cmd Phys.Prt Stat Std Ow St Fc La.Dest/Form  FF C. FF  LF  Ser.Exi. NTCC Type
-----
SE _____

__ A001      FREE  N   N   Y   --   / - B  0D0C 0D15  USPSPER01 --
__ BPM      DEAC  N   N   N   N   --   / - B  0D0C 0D15  USPSPER01 --
__ BS2PID    FREE  N   N   Y   --   / - B  0D0C 0D15  USPD9001 D9001
__ DAEPRTCA  FREE  N   N   N   N   --   / - B  0C00 1500  USPSPER01
__ DAEPRT10  FREE  Y   N   N   N   --   / - B  0D0C 0D15  USPSPER01
__ DAEPRT12  FREE  Y   N   Y   N   --   / - B  0D0C 0D15  USPSPER01
__ DAEPRT13  FREE  Y   N   --   --   / - B  0D0C 0D15  USPSPER01
__ DAEPTR10  FREE  N   N   --   --   / - B  0D0C 0D15  USPSPER01
__ DAPERT13  FREE  N   N   --   --   / - B  0D0C 0D15  USPSPER01
__ DEAPRTCA  FREE  N   N   N   N   --   / - B  0C00 1500  --
__ DR1171    FREE  N   N   Y   N   --   / - B  0D15 0D15  USPSPER01 STDPRT
__ DR1490    FREE  N   N   N   N   --   / - B  0D0C 0D15  USPSPER01 STDPRT
__ HCTEST    FREE  N   N   N   N   --   / - B  0D0C 0D15  USPSPER01
__ HHIPID    FREE  N   N   N   --   / - B  0D0C 0D15  USPSPER01

Enter command or press PF key.
Command ==>
Enter-PF1---PF2---PF3---PF4---PF5---PF6---PF7---PF8---PF9---PF10--PF11--PF12---
      Help  Menu  Exit  Repo          Selec  -   +   Det 2          Top  Canc
    
```

Column	Description
Std	Indicates whether existing standard profiles (logical printer, allocation) are used (Y/N).
Ow.	Indicates whether an owner was defined for the printer (Y/N).
St.	Indicates whether statistics have been activated (Y/N).
Fc.	Indicates whether a check for form is to occur (Y/N).
La.Dest/Form	The last or currently mounted form.
FF-C.	Form feed control definition.
FF	Definition for form feed sequence.
LF	Definition for line feed sequence.
Ser.Exi.	The name of the subprogram called by the spool server when printing on this printer.
NTCC Type	Defined printer type.

Pressing PF9 once more displays the second Detailed Attributes screen. The layout of this screen depends on the operating system (BS2000/OSD, CICS or IMS/TM).