DC Tips

... for the user

Pre-Configuring Default Settings in PCL Standard Print Drivers

Purpose

This document contains information for system administrators, about modifying default settings configured by the general printer description (GPD) file of a standard PCL (printer control language) print driver. A print driver's default settings are those initialized when you first install it.

The system administrator establishes new defaults when he/she modifies the GPD file. When end-users install the pre-configured driver default print values are already set. There is no need to change options.

Administrators can also use this document as a tool to enable printing in "thin" (basic or minimal) client environments such as: Windows Terminal Server, Citrix Metaframe and WinCenter.

NOTE: This document applies to standard print drivers only. Do not attempt to pre-configure an enhanced print driver using the information in this document. For information about enhanced drivers, see the DC Tip: *Pre-Configuring Printer Default Settings in Windows 9x and NT Enhanced Print Drivers*.

GPD File Overview

Printer vendors create GPD files to describe features specific to a make and model of PCL printer. Use an editor such as Wordpad or Notepad to edit a GPD file. Before you make any changes, make a backup copy of the GPD file so you can return to the original settings if necessary.

For more information about PCL, please view documentation found in the PCL resources at: http://www.hp.com/cposupport/printers/support_doc/bpl02705.html

For more information about GPDs, please view documentation found in the GPDs resources at: http://www.microsoft.com/hwdev/tech/print/unidrv.asp

This document pertains to these Xerox products:

x	DC 490/480/470/460 ST
x	DC 440/432/425/420 ST
x	DC 340/332 ST
x	DC 265/255/240 ST/LP
x	DC 230/220 ST/LP
	DCCS 50

Document Centre GPD Files

After you obtain the print drivers, unzip the files (if necessary) and locate the GPD file for your Document Centre. The following list identifies the configurable GPD file for each Document Centre:

- **xx44xc3[x].gpd** Xerox Document Centre 420, 425, 432 & 440

- **xx23xc3[x].gpd** Xerox Document Centre 220, 230

- **xx33xc3[x].gpd** Xerox Document Centre 332 & 340

- **xx48xc3[x].gpd** Xerox Document Centre 460, 470, 480 & 490

- **xx26xc3[x].gpd** Xerox Document Centre 240, 255 & 260

Each driver is bundled with other GPD's. They describe specific abilities of each Document Centre product. Only modify the GPD associated with your Document Centre.

Modifying a Document Centre's Configuration

NOTE: If you plan to edit the GPD file to modify your Document Centre's default configuration, do so before you install the print driver.

The list in this section contains Document Centre configuration options you can alter in a GPD file. Xerox recommends you change only the options in this list.

- DuplexUnit - Set to Installed by default.

  NOTE: You cannot configure duplex unless the Duplex Unit is set to Installed.

- Duplexing - Vertical (long edge), Horizontal (short edge) or NONE

- BannerPage - BannerPageOn or BannerPageOff.

- Tray 3 - Installed or NotInstalled (Does the Document Centre have paper tray 3?

- Tray 4 - Installed or NotInstalled (Does the Document Centre have a paper tray 4?)

- Envelope Tray - Installed or NotInstalled (Does the Document Centre have an envelope tray?)

- High Capacity Feeder – Installed or NotInstalled (Does the Document Centre have an HCF?)

- Stacker-Stapler (Finisher) – Installed or NotInstalled (Does the Document Centre have a finisher?)

- Tower Mailbox – Installed or NotInstalled (Does the Document Centre have a Tower mailbox?)

- LANFax – Installed or NotInstalled (Does the Document Centre have fax enabled?)

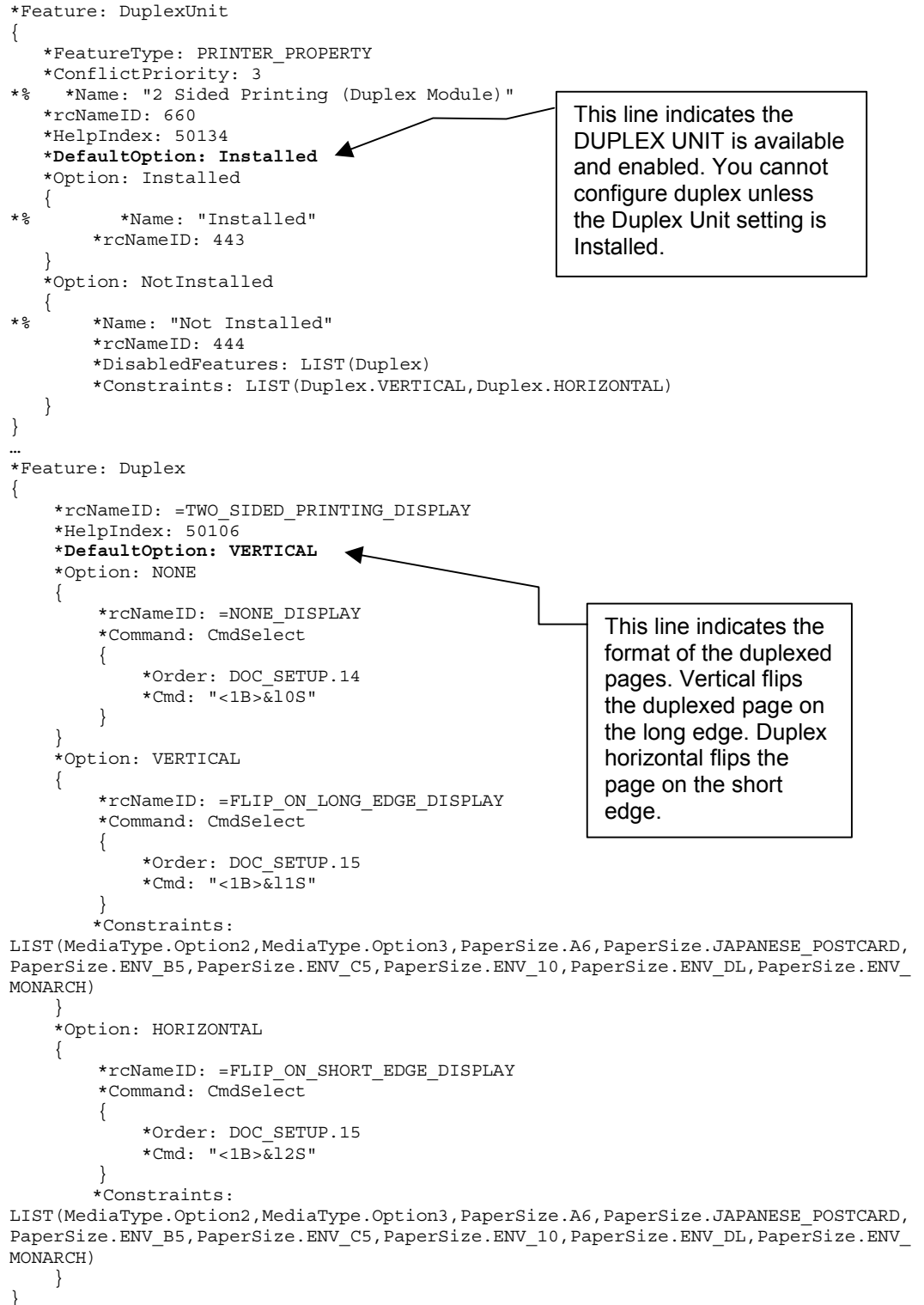Sections of a sample GPD file follow.

Default Setting	**Configurable Setting**
| ```
*Feature: BannerPage
{

*%
*% The PJL commands for this feature have been moved to
the rendering plugin so they can
*% be disabled when faxing is turned on (GRC)
*%

*%      *Name: "Banner Sheet"
        *rcNameID: 664
        *HelpIndex: 50187
        *FeatureType: DOC_PROPERTY
        *DefaultOption: BannerPageOn
        Option: BannerPageOn
        {
*%          *Name: "Enabled"
        *rcNameID: 665
                *Switch:        PaperSize
                {
                    *case: CUSTOMSIZE
                    {
                        *Command: CmdSelect
                        {
                            *Order:
JOB_SETUP.3
``` | ```
*Feature: BannerPage
{

*%
*% The PJL commands for this feature have been moved
to the rendering plugin so they can
*% be disabled when faxing is turned on (GRC)
*%

*%      *Name: "Banner Sheet"
        *rcNameID: 664
        *HelpIndex: 50187
        *FeatureType: DOC_PROPERTY
        *DefaultOption: BannerPageOff
        *Option: BannerPageOn
        {
*%          *Name: "Enabled"
        *rcNameID: 665
                *Switch:        PaperSize
                {
                    *case: CUSTOMSIZE
                    {
                        *Command: CmdSelect
                        {
                            *Order:
JOB_SETUP.3
``` |

This line shows the banner page turned on.

This line shows the banner page turned off.

| ```
*Feature: TRAY3
{
   *FeatureType: PRINTER_PROPERTY
   *rcNameID: 410
   *HelpIndex: 50134
   *DefaultOption: Installed
   *Option: Installed
   {
        *rcNameID: 443
*%       *Name: "Installed"
   }
   *Option: NotInstalled
   {
*%      *Name: "Not Installed"
        *rcNameID: 444
        *Constraints: InputBin.Option4
   }
}
``` | ```
*Feature: TRAY3
{
   *FeatureType: PRINTER_PROPERTY
   *rcNameID: 410
   *HelpIndex: 50134
   *DefaultOption: NotInstalled
   *Option: Installed
   {
        *rcNameID: 443
*%       *Name: "Installed"
   }
   *Option: NotInstalled
   {
*%      *Name: "Not Installed"
        *rcNameID: 444
        *Constraints: InputBin.Option4
   }
}
``` |

This line shows Tray 3 is installed.

This line shows Tray 3 is not installed.

| ```
*Feature: TRAY4
{
   *FeatureType: PRINTER_PROPERTY
*%    *Name: "Tray 4"
   *rcNameID: 428
   *HelpIndex: 50134
   *DefaultOption: Installed
   *Option: Installed
   {
*%        *Name: "Installed"
        *rcNameID: 443
   }
   *Option: NotInstalled
   {
*%      *Name: "Not Installed"
        *rcNameID: 444
        *Constraints: InputBin.Option5
   }
}
``` | ```
*Feature: TRAY4
{
   *FeatureType: PRINTER_PROPERTY
*%    *Name: "Tray 4"
   *rcNameID: 428
   *HelpIndex: 50134
   *DefaultOption: NotInstalled
   *Option: Installed
   {
*%        *Name: "Installed"
        *rcNameID: 443
   }
   *Option: NotInstalled
   {
*%      *Name: "Not Installed"
        *rcNameID: 444
        *Constraints: InputBin.Option5
   }
}
``` |

This line shows Tray 4 installed.

This line shows Tray 3 not installed.

Default Setting	Configurable Setting
| ```
*Feature: HCF
{
   *FeatureType: PRINTER_PROPERTY
*%   *Name: "Tray 6 (High Capacity)"
   *rcNameID: 640
   *HelpIndex: 50134
   *DefaultOption: NotInstalled
   *Option: Installed
   {
*%       *Name: "Installed"
       *rcNameID: 443
   }
   *Option: NotInstalled
   {
*%     *Name: "Not Installed"
       *rcNameID: 444
       *Constraints: InputBin.Option6
   }
}
``` | ```
*Feature: HCF
{
   *FeatureType: PRINTER_PROPERTY
*%   *Name: "Tray 6 (High Capacity)"
   *rcNameID: 640
   *HelpIndex: 50134
   *DefaultOption: Installed
   *Option: Installed
   {
*%       *Name: "Installed"
       *rcNameID: 443
   }
   *Option: NotInstalled
   {
*%     *Name: "Not Installed"
       *rcNameID: 444
       *Constraints: InputBin.Option6
   }
}
``` |

This line shows the HCF is not installed. (Default Setting)

This line shows the HCF is installed. (Configurable Setting)

Default Setting	Configurable Setting
| ```
*Feature: ENV_TRAY
{
   *FeatureType: PRINTER_PROPERTY
*%   *Name: "Envelope Tray"          *%
=ENV_FEED_DISPLAY ID is not linking string into ui
   *rcNameID: 471
   *HelpIndex: 50134
   *DefaultOption: NotInstalled
   *Option: Installed
   {
*%       *Name: "Installed"
       *rcNameID: 443
         *Constraints: InputBin.Option2
   }
   *Option: NotInstalled
   {
*%     *Name: "Not Installed"
       *rcNameID: 444
       *Constraints:
LIST(InputBin.ENVFEED,PaperSize.ENV_MONARCH,PaperSize.EN
V_10,PaperSize.ENV_DL,PaperSize.ENV_C5,PaperSize.ENV_B5)
   }
}
``` | ```
*Feature: ENV_TRAY
{
   *FeatureType: PRINTER_PROPERTY
*%   *Name: "Envelope Tray"          *%
=ENV_FEED_DISPLAY ID is not linking string into ui
   *rcNameID: 471
   *HelpIndex: 50134
   *DefaultOption: Installed
   *Option: Installed
   {
*%       *Name: "Installed"
       *rcNameID: 443
         *Constraints: InputBin.Option2
   }
   *Option: NotInstalled
   {
*%     *Name: "Not Installed"
       *rcNameID: 444
       *Constraints:
LIST(InputBin.ENVFEED,PaperSize.ENV_MONARCH,PaperSize.
ENV_10,PaperSize.ENV_DL,PaperSize.ENV_C5,PaperSize.ENV
_B5)
   }
}
``` |

This line shows the envelope tray is not installed. (Default Setting)

This line shows the envelope tray is installed. (Configurable Setting)

Constraints Based on Installable Options

You must enable the duplex module before you make other duplex modifications. The sample in this section shows a GPD file with duplex printing enabled.

```
*Feature: DuplexUnit
{
    *FeatureType: PRINTER_PROPERTY
    *ConflictPriority: 3
*%    *Name: "2 Sided Printing (Duplex Module)"
    *rcNameID: 660
    *HelpIndex: 50134
    *DefaultOption: Installed
    *Option: Installed
    {
*%        *Name: "Installed"
        *rcNameID: 443
    }
    *Option: NotInstalled
    {
*%      *Name: "Not Installed"
        *rcNameID: 444
        *DisabledFeatures: LIST(Duplex)
        *Constraints: LIST(Duplex.VERTICAL,Duplex.HORIZONTAL)
    }
}
…
*Feature: Duplex
{
    *rcNameID: =TWO_SIDED_PRINTING_DISPLAY
    *HelpIndex: 50106
    *DefaultOption: VERTICAL
    *Option: NONE
    {
        *rcNameID: =NONE_DISPLAY
        *Command: CmdSelect
        {
            *Order: DOC_SETUP.14
            *Cmd: "<1B>&l0S"
        }
    }
    *Option: VERTICAL
    {
        *rcNameID: =FLIP_ON_LONG_EDGE_DISPLAY
        *Command: CmdSelect
        {
            *Order: DOC_SETUP.15
            *Cmd: "<1B>&l1S"
        }
        *Constraints:
LIST(MediaType.Option2,MediaType.Option3,PaperSize.A6,PaperSize.JAPANESE_POSTCARD,
PaperSize.ENV_B5,PaperSize.ENV_C5,PaperSize.ENV_10,PaperSize.ENV_DL,PaperSize.ENV_
MONARCH)
    }
    *Option: HORIZONTAL
    {
        *rcNameID: =FLIP_ON_SHORT_EDGE_DISPLAY
        *Command: CmdSelect
        {
            *Order: DOC_SETUP.15
            *Cmd: "<1B>&l2S"
        }
        *Constraints:
LIST(MediaType.Option2,MediaType.Option3,PaperSize.A6,PaperSize.JAPANESE_POSTCARD,
PaperSize.ENV_B5,PaperSize.ENV_C5,PaperSize.ENV_10,PaperSize.ENV_DL,PaperSize.ENV_
MONARCH)
    }
}
```

This line indicates the DUPLEX UNIT is available and enabled. You cannot configure duplex unless the Duplex Unit setting is Installed.

This line indicates the format of the duplexed pages. Vertical flips the duplexed page on the long edge. Duplex horizontal flips the page on the short edge.

Additional Information

The Document Centre Technical Support Operations welcomes feedback on all DC Tips documentation—send feedback via e-mail to: USA.DSSC.Doc.Feedback@mc.usa.xerox.com.

Other DC Tips are available at http://www.xerox.com/DocumentCentreFamily/Tips.

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