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Xerox[®] FreeFlow[®] VI Suite

Glossary and Quick Reference Guide

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Glossary

The Glossary contains terms and acronyms that are used frequently within the *FreeFlow Variable Information Suite*. Documentation definitions are provided within the context of the various Variable Information Suite applications and the VIPP® programming language.

A

Advanced Function

A unique type of VI Design Express Rule used to insert an Advanced Function into the document. Advanced Functions can be used to insert the VIPP® **BOOKMARK** command into the VPC file that is generated by VDE, or to insert custom VIPP® code at a particular location in the document. A **BOOKMARK** command is processed by FreeFlow VI eCompose to set a split point when generating PDF output.

American Standard Code for Information Interchange (ASCII)

A code for representing alphanumeric information. ASCII values are used in conjunction with character identifiers in character-mapping tables, sometimes referred to as encoding tables. Two hexadecimal digits are used to map the location of the character in the character-encoding tables.

ANSI

American National Standards Institute.

APAR

Refer to [Authorized Program Analysis Report \(APAR\)](#).

API

Refer to [Application Programming Interface \(API\)](#).

APPE

Adobe PDF Print Engine (APPE). VDE output can be printed to the APPE engine of the FreeFlow Print Server. The APPE supports advanced features such as PDF-referenced XObjects, transparencies, and so on.

Application, Design, and Layout

In the context of the VI Design Express, these terms are used to describe what appears in the InDesign Document Window. The words Design and Layout are used interchangeably to describe what appears onscreen. The word Application is used to describe the entire VDE job, including the way that the job looks and how the job works.

Application Programming Interface (API)

The interface by which an application program accesses the operating system and other services.

Array

A VIPP® array is a two-dimensional table that can be assigned values. The first entry of the table contains a set of field names. Subsequent entries contain a set of values to be assigned to the field names. An index to the array is used to obtain the element or field name value. The VIPP® commands **GETITEM**, **FOREACH**, **ADD**, and **F2S** can be applied to a VIPP® array.

Artistic Black

A Xerox Specialty Imaging effect using patterned ink. For more information, refer to *Specialty Imaging With VIC* in the *FreeFlow VI Compose User Guide*.

ASCII

Refer to [American Standard Code for Information Interchange \(ASCII\)](#).

Asset or Resource

Synonymous terms used to describe the fonts, forms, images, or logos that are required, in addition to data, to print a document. An asset or resource can be stored on the printer, in a library on the host, or in-line in the data stream.

Authorized Program Analysis Report (APAR)

A field-test-ready patch or module replacement that resolves a specific customer problem.

B

Background Attributes

A background attribute is a paint process that is assigned using a **SETBAT** value. Background Attributes paints the background under all subsequent text imaged, using the **SHx** commands. The background attributes can include GEPkey values, including pattern values.

Backspacing

A capability whereby the console operator initiates backspacing using standard printer commands. For line-mode documents, the printer backspaces to a specified page number from the current point of printing.

Banner Page

A page issued with a print job that contains certain job information, including but not limited to, the user ID, job ID, and print date. The banner page can be issued as a header page before each print job, as a trailer page after each print job, or as a separator page between each dataset. A Banner Page is known also as a separator page.

Barcode Font

A barcode font that consists of special characters that resemble vertical bars and other special symbols. The fonts are used to create machine-readable data, such as the Postnet barcode used for US mail. For barcodes that require special characters to be calculated, a VIPP® transform command is available to create those special character sequences. The transform command is passed to the text string to process. The active font is required for the barcode font to produce the correct sequence of characters for printing.



Note: Some VIPP®-enabled 2-D barcodes do not require a barcode font. These barcode images are generated by VI Compose.

Baseline

An imaginary line on which the base of each successive character is placed.

BATkey

Background Attribute Key. Standard VIPP® Background Attributes keys (BATkeys) are provided in the `xgf/src/xgf.batfile`. To create user-defined BATkeys, refer to [Background Attributes](#).

Bitmap

An image composed of grids of pixels or dots.

Bitmapped format font

Each character in the bitmapped format font consists of a raster pattern.

Bleed

A graphic art term used to describe an area outside of the document page boundary. For example, a bleed of 3.175 mm (0.125 in.) adds a new bleed boundary around the document. Use this extended boundary to place objects. When the page is cut at the document page size and not at the bleed boundary, a clean cut through an area of color occurs. If the cut is not in absolute alignment, using the bleed boundary avoids the possibility of stray white areas. So, a bleed area adds area to a design, and the added area can be cut off later.

Booklet

A variable collection of pages or a set of pages, based typically on a single customer record.

Business Graphics

Refer to [Data Driven Graphics](#).

C**Chunk**

Chunk means to break apart a larger submission file into smaller chunks. Applications that pre-compose the print file outside of the printer output of VIPP® SE typically require data files to be chunked in an attempt to produce output quicker at the print device, and provide some level of reprint capability rather than processing the whole data file again.

CJK

An acronym for Chinese, Japanese, and Korean, used in the Variable Information Suite documentation to refer to the multiple-byte fonts used when printing those languages.

Clear Dry Ink

Refer to [Xerox Specialty Inks](#).

CMYK

Cyan, Magenta, Yellow, and Black inks. Color is defined by mixing various percentages of these inks.

Code point

The location of a specific character within a font, represented usually as a two-digit hexadecimal ASCII or EBCDIC value.

Coded font

A character set or code page pair.

Color image

An image that includes one or more colors, except black.

Colorkey

A label assigned to a color definition specified by the **SETCOL** command. Refer also to [GEPkey](#).

Composed text

Data that has been formatted into discrete pages for printing.

Correlation Mark

A [Specialty Imaging](#) feature that is available on FreeFlow Print Server monochrome and full color engines. Allows printing variable text strings in a way that the content is not visible unless it is superimposed by a key transparency.

CPI

Characters-per-inch.

CPU

Central processing unit.

Crop Mark

Refer to [Slug or Crop Marks](#).

CSN

Character set name.

D

Data Base Master

The file that contains all the layout and processing information required to process a delimited data file. The Data Base Master file is called usually by the **STARTDBM** command.

Data Driven Graphics

Business graphics, line chart, pie chart, or barcharts that are generated at run time by analyzing data passed to the **DDG** command at run time.

Database Management System (DBMS)

A program that allows data to be stored and retrieved in a controlled manner in a data repository. Most DBMS today are relational, in which tables are used to store data. The data in different tables can be related using key fields. Refer to [Open Database Connectivity \(ODBC\)](#) and [Structured Query Language \(SQL\)](#).

Database mode

Refers to the VIPP® mode used to process delimited data files. To start the database mode, use the **STARTDBM** command. This is just one of four available VIPP® modes, all described further in the *FreeFlow VI Compose User Guide*.

Data object/Data object list

In VI Design Express, the Data Object is a data field, rule, or transform imported into VDE or generated using an option within VDE, such as a Data Transform Object. These Data Objects are listed in the Data Object List in the VDE plug-in panel. A Data Object can be one of several different types.

DBM

Refer to [Data Base Master](#).

DBMS

Refer to [Database Management System \(DBMS\)](#).

DDG

Refer to [Data Driven Graphics](#).

Decomposition Services

NPS and FreeFlow Print Server monochrome systems can pre-RIP PostScript page files into TIFF files. This action results in quicker processing times when the TIFF files are used at print time.

Delimited Database File

A delimited data base file is used to drive the variable data application when designing applications in VDE. A delimited data file is typically an extraction from a larger database system. A Database Administrator is the typical contact for more information about delimited data files.

Demo files

Included with file downloads, demo files are loaded on the system during installation. On a Windows system, the demo files are in the `/usr/xgfi/demo` directory or `xgfi\demo` directory.

Demonstration Mode

Without a valid license, VI Compose can run only in Demonstration Mode. If available, Demonstration Mode allows the software to operate for a period of time, or for a maximum number of pages per job. For full functionality, obtain and install a production license for the Variable Information Suite component.

Directory

A filesystem directory, which is not to be confused with a folder. Refer to [Folder](#).

Design

Refer to [Application, Design and Layout](#).

Distribution Lists

The VIPP® command **SETDLFILE** is used to associate a distribution list to a Database mode application. A copy of the application can be created for each entry in the distribution list. For more information, refer to **SETDLFILE** in the *VIPP® Language Reference Manual*.

DocuColor

Used to describe the Xerox DocuColor printer family of full-color production print devices.

DocumentCentre

Used to describe the Xerox Document Centre printer family of print devices used in the office environment.

DocuPrint

Used to describe the Xerox DocuPrint printer family of production print devices driven by the NPS controller.

DocuSP

Refer to [FreeFlow Print Server](#).

Dots-per-inch

The resolution of a resource or a page. A typical resolution is 300 dpi or 600 dpi.

Dpi

Refer to [Dots per Inch](#).

Duplex

A page that contains printing on both sides of the paper. The back side of a duplex page can be blank.

Duplex or Tumble Duplex

Duplex and Tumble Duplex are settings in the VDE Export menu, in the Print Settings panel. Selecting either of these options can result in content being printed on both sides of the sheet. The Duplex option prints on both sides of the sheet with the top of each page image at the top of the sheet. Tumble Duplex prints the front side with the top of the page image at the top of the page, while the back page image is flipped. The settings used for specific printers vary, according to how the paper is fed through the print device, and settings such as portrait, landscape, short-edge feed, long-edge feed, and other duplex options on the print device that can affect how pages are printed. Under normal operation, the start of a new record can be printed on the front of the next duplex sheet, if necessary, a blank back side sheet is forced. To disable printing a new record on the front of the next duplex sheet and forcing a blank back side sheet, select Duplex, Continuous or Tumble Duplex, or Continuous. Use caution when using this option because the start of a new record does not force printing on the front side of the next sheet. Instead, the start of a new record prints on the next available side. It is recommended that the options be tested on the target device. If output is not printed as required, re-export the job, then select the other duplex option.

Dynamic Job Descriptor Entry (DJDE)

A Xerox control statement within a document that dynamically overrides or changes existing control statements or parameters that specify how a document prints on a Xerox printer. These specifications include forms and image merging, font selection, bin switching, report offsetting, and file downloading.

Dynamic Tables

Dynamic tables provide the ability to read the records specific to the desired print operation and provide additional programming versatility. Dynamic tables can grow as the need arises. Refer to [Array](#).

E

EBCDIC

Refer to [Extended Binary Coded Decimal Interchange Code \(EBCDIC\)](#).

EFI

A Fiery digital front-end controller.

Electronic Printing System (EPS)

Refer to [Laser Printing System \(LPS\)](#).

Elements

In the context of the VI Design Express, elements are the various components of the InDesign layout that make up the basic design. Elements can include lines, boxes, or other graphics, files, variable information, layers, and any other component of the design. Elements used with VDE are either static or variable.

- **Static elements:** In a VDE application, static elements are the parts of the design that do not change when the application changes from one record to the next.
- **Variable elements:** In a VDE application, variable elements are the parts of the design that change when the application changes from one record to the next. Variable elements in the design can include text, text files, graphics, and layers. Variables are inserted in the application directly, or through the use of rules, which are based on conditions defined in VDE.

EOF

End-of-file.

EPS

Encapsulated PostScript File. Refer to [Electronic Printing System \(EPS\)](#).

Extended Binary Coded Decimal Interchange Code (EBCDIC)

A code for representing alphanumeric information. EBCDIC values are used in conjunction with font character encoding tables. Two hexadecimal digits are used to represent the location of the character in the font-encoding table.

Extensible Markup Language (XML)

Refer to [XML](#).

F

.FNT

A file format used for Xerox centralized fonts. The .FNT file format requires conversion to PostScript fonts for use with Variable Information Suite applications.

Fixed Metrics

The graphic character measurements, in physical units, such as dots or inches.

Fixed Pitch Font

A font that is made up of fixed-width characters. Refer to [Proportionally Spaced Font](#).

FluorescentMark color

A [Specialty Imaging](#) feature that is available on FreeFlow Print Server full color engines. Allows printing variable strings in a way that the content is not visible under normal light, but becomes visible under a UV or black light. Uses built-in pre-defined fluorescent color, sometimes referred to as UV Colorkeys.

Folder

In the context of a [VI Project \(VP\)](#), a folder is both a logical grouping of projects, and a filesystem directory containing the project directories of those projects. A folder directory has subdirectories that contain folder-shared resources that can be shared among any of the projects in the folder. Note that the term folder is not to be confused with a generic filesystem directory, which in Windows is often referred to as a folder.

Folder-Shared Resources

VIPP® resources that can be shared among all projects in a single folder. These resources reside in folder-shared directories in a folder. Refer to [Folder](#).

Font

A font is a collection of individual characters combined into a character set that has common characteristics such as style, width, height, and weight.

Font Index

A user-defined alphanumeric string used to associate a font name and font size to that string. The font index is used in a VIPP® job to identify the font and font size attributes used to print all or part of a text string.

Form

An electronically composed arrangement of predefined lines, boxes, text, logos, images, and embedded text that can be printed as is or merged with data during the printing process. Xerox **FDL** or **FSL** forms require conversion to PostScript resources for use in VIPP® jobs. A VIPP® job can use multiple forms per page. Forms must be called before any page marking commands are called. Refer to **SETFORM** in the *VIPP® Language Reference Manual*.

Form List

A list of form names that identify the forms that are resident on a printer.

Forms Description Language (FDL)

A printer-resident source language used to design electronic forms. Refer to [Forms Source Language \(FSL\)](#).

Forms Source Language (FSL)

An uncompiled collection of user-created files that contain **FDL** commands. Refer to [Forms Description Language \(FDL\)](#).

Xerox® FreeFlow® Makeready

A module required to enable the use of RDO files by VI Compose. **RDO** files can be created or edited in the FreeFlow Makeready module to create the .vdi file that is used by VIPP® as a pointer to **RDO** TIFF files.

FreeFlow Print Server

Used to describe the Xerox FreeFlow Print Server family of production print devices driven by the FreeFlow Print Server controller.

FreeFlow® Variable Information Suite (VIS)

A suite of software programs designed to enhance the production of print jobs that contain variable information on VIPP®-enabled print devices. The suite consists of these applications:

- FreeFlow® VI Compose
- FreeFlow® VI Design Express
- FreeFlow® VI Design Pro
- FreeFlow® VI eCompose
- FreeFlow® VI Explorer

- VIPP® Manage

FreeFlow® VI Compose (VIC)

Formerly called VI Interpreter. A PostScript output, device-resident software that provides the means to print complex documents at production speeds. Using VI Compose with the Xerox® VIPP® Language provides enhanced variable data printing performance through the use of cached object elements, dynamic text flow, data driven graphics, data formatting, conditional processing, and workflow improvements.

FreeFlow® VI Design Express (VDE)

Formerly called VIPP® Pro Publisher. A plug-in available for Adobe InDesign that is used to simplify the creation of VI Projects.

FreeFlow® VI Design Pro (VDP)

Formerly called VI Designer. A Xerox tool that can be used to create or edit VIPP® applications.

FreeFlow® VI eCompose (VIeC)

VIeC is a Xerox tool for Windows platforms that can process a VIPP® input file and create Adobe PDF files as output. VIeC can further split the output files into individual PDF sets, based on a logical boundary specified in the VIPP® **BOOKMARK** command. The PDF files produced can contain security, URL links, and so on. Various clients exist to enable job submission and server administration. A dispatch module can be used to call a user-defined process to help automate distribution of the created PDF files.

FreeFlow® VI Explorer

A Xerox tool used in Windows to preview and validate VI jobs and projects, and to provide easy access to Normalization and Demographics services.

G

GEPkey

Graphic Element Property Key. For a list of default GEPkey values, refer to the standard lists, tables, and attributes in the *VIPP® Language Reference Manual*. Additional GEPkeys can be defined using the VIPP® **SETGEP** command.

GIF

GIF is a bitmap-based format designed for use on the Web. A GIF format is highly compressed to minimize file transfer time and supports images with up to 256 colors.

Global-Shared Resources

VIPP® resources that can be shared among all projects in all folders in the repository. Globally shared resources reside in globally shared directories that are determined by the value of **SETPPATH**.

Xerox® GlossMark® Technology Text

A **Specialty Imaging** feature that is available only on FreeFlow Print Server full color print devices. Allows printing variable text strings in a way that the content is not visible in a straight-on view, but becomes visible as glossy text under inclined illumination. Uses pre-defined GlossMark Colorkeys.

Golden Job

A VIPP® job, when run to the device, validates correct installation and operation of VI Compose.

Graphical User Interface (GUI)

Typically a What You See is What You Get (WYSIWYG) interface. For example, Microsoft Windows is a GUI interface. The following are some typical GUI elements:

- Bars, including sliding, scroll, and status bars
- Boxes, including check boxes, combo, dialog, and list boxes
- Buttons, including radio and spin buttons
- Dialogs or pop-up windows
- Fields for data or text entry
- Menus, including menu bars, and pop-up, cascading, drop- and pull-down menus
- Toolbars, including floating toolbars
- Windows, including application, tabbed, and paned windows

GUI

Refer to [Graphical User Interface \(GUI\)](#).

H

HCF

High-capacity feeder.

Highlight Color

The use of solid, spot color to accentuate or contrast material from monochromatic areas, and typically from black printed areas. The term highlight color is used by Xerox to mean printing with black plus one color.

I

.IMG

A file format used for Xerox centralized images. The .IMG files require conversion to PostScript resources for use in VIPP® jobs.

I or O

Input or output

Image

A generic term to describe graphical resources such as a logo or photograph. VI Compose supports **JPEG**, **TIFF**, and **EPS** files as image types.

Infrared Color

A **Specialty Imaging** feature that is available on FreeFlow Print Server full color print engines. Allows printing variable strings in a way that the content is not visible under normal light but becomes visible under infrared light. Uses built-in, pre-defined Infrared Colorkeys.

Init File

An init file is a set of VIPP® header instructions that can be prepended to a data file or, on some devices, added to a printer queue. These actions allow an application that is run multiple times using the same resources to be

run independently from **VDE**. The new data file can be extracted from the database, and the init file can be prepended or set up in the printer queue.

IP

Internet Protocol.

IP address

The host address defined by the Internet Protocol, usually represented in dotted decimal notation.

J

JCL

Job Control Language

JDE

Refer to [Job Descriptor Entry \(JDE\)](#).

JDL

Job Descriptor Library.

JDT

Refer to [Job Descriptor Ticket \(JDT\)](#).

JES

Job Entry Subsystem.

Job Demographics

The job demographics functionality is used to capture information about a VIPP® job. Demographic information includes number of pages, copies and sets generated, pages generated per media type, and the number of images, forms, jdt, fonts, and miscellaneous resources used in a VIPP® job.

Job Descriptor Entry (JDE)

A printer-resident command set that groups all the processing parameters for one print job or a group of print jobs that share print characteristics. Several JDEs make up a **JDL**.

Job Descriptor Ticket (JDT)

JDT files contain the VIPP® commands to format a line data file. The JDT file is called by the VIPP® **STARTLM** or **SETJDT** command. For more information, refer to the *VIPP® Language Reference Manual*. A JCL Descriptor Ticket is used on LPS printers. The JCL Descriptor Ticket requires recoding in the form of a VIPP® JDT file to process a LCDS data file on a VIPP®-enabled device.

JPEG or JPG

Joint Photographic Experts Group. A format for photographic images that offers compression with some loss of image quality. Because of their compression up to 20 to 1 and small file size, JPEG images are used widely in Internet publishing.

K

Kinsoku

Or, Kinsoku shori, a set or sets of line-break rules used when printing with Japanese fonts to determine where line and word wrapping occur.

L

.LGO

A file format used for Xerox centralized logos. A .LGO file requires conversion to a PostScript resource for use in VIPP® jobs.

LAN

Local Area Network.

Landscape

The orientation of print lines or the top of an illustration that is parallel to the long edge of the paper.

Laser Printing System (LPS)

A printer that uses laser technology to transfer characters and images onto a page. These types of printers typically process LCDS or Metacode data.

Layout

Refer to [Application, Design and Layout](#).

LCDS

Laser Conditioned Data Stream. Data that is intended to be printed to a Xerox LPS printing system. The same data file can be used in a VIPP® environment. The user can convert the LCDS resources to PostScript and create a JDT file to format the data correctly.

Legacy Job

A VIPP® job that does not have a **SETPROJECT** command. VIPP® jobs that do not use VI Projects stores VIPP® resources in libraries under the `xgfc` directory. The VIPP® resources include `formlib`, `imglib`, `jdllib`, and so on. VIPP® jobs that use this library structure for VIPP® resources are referred to as legacy jobs.

Legacy Resource

A VIPP® resource that is associated with a legacy VIPP® job. The directories that contain the legacy resources are determined by the values of these VIPP® commands:

- **SETEPATH:** Font lists and encoding tables
- **SETFPATH:** Forms, segments, and DBM files
- **SETIPATH:** Images
- **SETJPATH:** JDT files
- **SETMPATH:** Submission files, data files, fonts, and miscellaneous files

These commands are defined in the `xgfdos.run` or `xgfunix.run` file.

Library

Defined areas that are internal and external to a software product. The defined areas are used to store resources, files, and programs.

Licensed Font

A font for which you are required to pay royalties to a vendor, depending on usage. You can use licensed fonts with Xerox printers in accordance with the font shrink-wrap license agreement of the licensor or executable license agreement that accompanies all licensed font products.



Caution: Printing with a licensed font to a non-Xerox printer can violate your licensing agreement.

Limited Multiple Occurrence Tag

Refer to [LMOT](#).

Line mode

Line mode refers to one of the four modes in which VIPP® can be started. The **STARTLM** command starts VIPP® in Line mode. Line mode is used to process transactional data sent typically from a mainframe. This data was formatted originally to be printed on line printers. **LCDS** data files can be processed using VIPP® Line mode.

Line-mode documents

Documents with no formatting instructions except for carriage control characters.

Listing

Sometimes referred to as sysout, is line data that has no page delimiters. Page delimitation is based on the number of lines per page.

LMOT

LMOT is an acronym for Limited Multiple Occurrence Tag and is used to describe groups of data in an XML file that can be repeated a limited number of times. For example, a customer record can contain an LMOT group that contains information such as phone type, area code, phone number, and location. For any customer this information could be repeated for each phone type on record. Phone types could be home, work, or cell phone numbers. Each phone type has the same tags, but the data contained within the tags can be different. Using the phone type record example, the LMOT group would contain three phone iterations.

Local Resources

Resources that can be used only by a single project. Local resources reside in the directory of the project to which they belong.

Logical Page

Refer to [Physical Page or Logical Page or Multi-Up](#).

Logo

A logo can be a corporate identifier. A logo is seen usually at the top of a page, but can also be located throughout an application. A logo is supplied normally as an image file.

LPD

Line Printer Daemon.

LPI

Lines-per-inch.

M

Makeready

Refer to [Xerox® FreeFlow® Makeready](#).

Margin

A term used to describe an area of the physical sheet of paper on which printing is not permitted. A margin, in effect, reduces the printable area of a physical sheet of paper.

Markers

Markers are reserved strings or sequences that, when embedded at appropriate places in a VIPP® job, affect the behavior of certain commands.

MicroText Font

A [Specialty Imaging](#) feature that is available on FreeFlow Print Server monochrome printers, Highlight Color printers, and full color printers. Allows printing variable text strings at point sizes that are smaller than 1 point.

Multi-Byte Fonts

Fonts that require more characters than can be specified in an 8-bit byte. Specifications for the VIPP® language include Chinese, Japanese, and Korean fonts.

Multi-Up

The ability to print multiple logical pages on a single physical page. Refer also [Physical Page or Logical Page or Multi-Up](#).

N

Native mode

One of the four modes in which VIPP® can be started. Native mode is the default mode because it needs no special command to start. However, Native mode is the least-used mode. VIPP® Native mode is often used to code VIPP® forms. A data file can include native mode VIPP® commands, using a native mode prefix to control some simple printing attributes.

Native mode prefix

A series of characters that indicate to the print device that a VIPP® Native mode command is about to follow. %XGF is the default native mode prefix.

NIC

Network Interface Card.

NMP

Native Mode Prefix.

Non-VPF project

A project that is organized according to the `SETPATH` and `SETPROJECT` commands, but that does not contain

a VPF file.

O

ODBC

Refer to [Open Database Connectivity \(ODBC\)](#).

Open Database Connectivity (ODBC)

A programming interface that allows programs to access data in a number of different Database Management Systems (DBMS) through [Structured Query Language \(SQL\)](#). The **DBMS** can be set up to use one or more ODBC Data Sources for a program to access a **DBMS** through **ODBC**. On Windows operating systems, the Windows ODBC Data Source Administrator can help with this task.

Orientation

The direction in which text or images are positioned on the page. When text and images are positioned with the lines parallel to the shorter sides of the paper, the orientation is referred to as portrait. When the lines of text are parallel to the longer sides of the paper, the orientation is called landscape.

P

Page Layout

A set of VIPP® commands and parameters that defines the layout of the logical page.

Page Size

This term is used in the context of VDE. Page Size is an InDesign designation for the size of the page in the InDesign workspace. Page Size is set up in the Document Setup menu in InDesign. Page Size is not the same thing as the size of the paper on which it is printed, although the two can be the same physical size. Another definition is the size of the finished piece, for example, if creating a 100 x 150 mm (4 x 6 in.) postcard, the page size would be 100 x 150 mm (4 x 6 in.). Refer also to [Sheet Size](#).

Palette

A finite and predetermined set of colors used by color laser printers.

Paper Name

The name given to a specific paper size. For example, the paper name **USLETTER** refers usually to a sheet of paper with the dimensions 8.5 by 11 in. Refer to [Paper Size](#).

Paper Size

The physical size, in width and height dimensions, of a sheet of paper. Refer to [Paper Name](#).

Paper tray

The tray from which paper is pulled for printing.

Parameter

A VIPP® parameter is a keyword that represents an internal value that affects the behavior of one or several commands or transform functions. A parameter can only be set using the **SETPARAMS** command. Parameters can be numbers or strings. A command can require multiple parameters.

PATkey

The label assigned to a pattern definition using the VIPP® **SETPPAT** command. The PATkey name is used to call in the pattern assigned to the label name.

Patterns

Shades of color or gray used in the background on a printed page. Patterns are used in graphic elements, DDGs, tables, and forms, in addition to whole page patterns. Refer to [Zebra](#).

PC

Personal Computer

PCC tables

Printer carriage control (PCC) tables are data files used to indicate to line printers how vertical movement of a page is controlled. Data files still exist with **PCC** bytes. VI Compose can be enabled to interpret **PCC** bytes when present.

PDF

Portable Document Format. When the term PDF is used in Variable Information Suite documentation, this term refers to Portable Document Format of Adobe.

PDL

Refer to [Print Description Language \(PDL\)](#).

PDF Fillable Field (PFF)

Field in a PDF document intended to be filled by the user, or recipient, who is expected to send the filled document back to the originator.

PFF

Refer to [PDF Fillable Field](#).

Phaser®

A Xerox printer replacement to the N-Series family of desktop and office printers.

Physical Page or Logical Page or Multi-Up

Used in the context of VI Design Express. InDesign creates a document layout consisting of pages, as defined under the Document Setup menu. During the export function, there is an option to select a page size. This option is defined as the Physical Page or sheet on which the printer can print the job. This size can be the same or bigger than the document size defined in InDesign. Often the intention is to print a document multiple times on the physical sheet. In an IT world, this is referred to printing many logical pages, or printing the original document onto the physical sheet used by the printer, which is also known as *Multi-Up*. The export function in InDesign handles these options for **VDE**.

POF

Refer to [Printer Object File \(POF\)](#).

Portable Document Format (PDF)

A non-platform specific format used to share data.

Portrait

The orientation of print lines or the top of an illustration that is parallel to the short edge of the paper.

PostScript (PS)

A page-description language written by Adobe Systems. For more information, refer to the *Adobe Red Book*.

PPML

Personalized Print Markup Language.

PPML Repository

A set of directories in which PPML resources can be located. Currently, PPML resources can be located anywhere on the file system on a FreeFlow Print Server workstation.

PPML Resource

A resource associated with a **PPML** job.

Presentation

The orientation in which the page is presented to the printer for printing. Refer to [Landscape](#) and [Portrait](#).

Print Description Language (PDL)

A language used to describe printing jobs to a laser printer. **PDL** describes the input type, format, characteristics, processing functions, logical processing, and describes the output, type, format, fonts selection, and accounting options. Adobe PostScript is a **PDL**. **PDL** has two meanings: In legacy contexts, it is Print Description Language. In the PostScript context and other current contexts, it is Page Description Language.

Printer Carriage Control (PCC)

Used with line printers, **PCC** information controls the vertical displacement of a page, either up a line, multiple lines, or a page.

Printer Object File (POF)

A file that contains printer resources, such as fonts, forms, images, and logos, used for printing documents.

Printer profile

A printer- and site-specific file that defines the printing environment.

Production mode

The fully licensed mode in which VIPP® operates without imposed per-job page limitations. Refer also [Demonstration Mode](#).

Production speed

A term used to describe print speed. When a printer is printing at production speed, it is running as fast as the printer and application allow.

Project

Refer to [VI Project \(VP\)](#).

Project Container

Refer to [VI Project Container \(VPC\)](#).

Proportionally Spaced Font

A font that contains characters that vary in width. A font that is made up of fixed-width characters is called a fixed-pitch font.

PS

Refer to [PostScript \(PS\)](#).

R

Raster Document Object (RDO)

An RDO is a single- or multiple-page file scanned with [Xerox® FreeFlow® Makeready](#) that contains TIFF, JPEG, or PDF files. VIPP® can use only the TIFF and JPEG files. When an RDO is created, a `.CON` directory is created that has the same name as the RDO. The `.CON` directory contains the actual files that make up the object and the RDO contains links to the files in the `.CON` directory. The RDO contains the formatting instructions for the document.

Raster Image Interpreter (RIP)

A PostScript **RIP** executes scripted language, which is written in a user-readable format rather than compiled machine language. Use of an RIP allows you to instruct your print driver to emit **ASCII**-encoded PostScript code, then open the output file with an **ASCII** viewer.

RDO

Refer to [Raster Document Object \(RDO\)](#).

Record Processing Entry (RPE)

Used in Line mode processing to control the format of single or multiple lines of data.

Relative Metrics

The graphic character measurements expressed as fractions of the square, called the em-square, whose sides correspond to the vertical size of the font. These measurements are resolution-independent.

Resolution

A measure of the sharpness of a resource or a physical printer, expressed as the number of addressable dots-per-inch or pels per unit of length. For example, dots-per-inch, pels per centimeter.

Resource

The fonts, forms, images, or logos that are required, in addition to data, to print a document. A resource can be stored on the printer, in a library on the host, or in-line in the data stream.

Resource Checking Mode

This has now been replaced with Job Demographics. For more information, refer to the *FreeFlow VI Compose User Guide*.

RGB

The red-green-blue color format. Color in VIPP® jobs can be defined using RGB, or **CMYK** formats.

RIP

Refer to [Raster Image Interpreter \(RIP\)](#).

RPE

Refer to [Record Processing Entry \(RPE\)](#).

Rule

Used to control the logical flow in a variable data application. A rule is an **IF** or **ELSE** condition, which are decision points. If something is equal to x do y, otherwise do z. In VI Design Express, a rule can be used to test a database field or a value, and can be based on the result of an action such as placing text or an image. In addition, a VDE rule can turn on or turn off the visibility of an InDesign layer.

S**SAP**

Systems, Applications, and Products in data processing.

Scope

Scope determines in which projects a VI Project resource can be used. A VI Project resource has one of the following scopes:

- Local
- Folder-shared
- Global-shared

In a VIPP® job, local scope takes precedence over folder-shared and global-shared scopes, such as if a resource in local scope is available also with the same name in either of the other two scopes, the resource in local scope can be used. Folder-shared scope takes precedence over global-shared scope. Folder-shared scope and global-shared scope are referred to also as folder scope and global scope. Refer to [Local Resources](#), [Folder-Shared Resources](#), and [Global-Shared Resources](#).

Segment

A segment can be a section of VIPP® code that can be reused. A segment is assigned a name and the name is called whenever that code segment requires execution.

Separator Page

Refer to [Banner Page](#).

SETPATH

A VIPP® command that is specified in the `xgfdos.run` or `xgfunix.run` file and defines the following:

- Global resource directories for the VIPP® repository
- The parent directories in which VI Project folder directories can be located
- The allowable names for subdirectories within each folder directory that can contain folder-shared resources, that are shared among any or all of the projects in the folder

For more information about the **SETPATH** command, refer to the *VIPP® Language Reference Manual*.

SETPROJECT

A VIPP® command that is present in VIPP® submission files, and that gives the project and folder name for subsequent resource requests in the VIPP® job. The directories to search for resources are determined by the values of **SETPROJECT** and **SETPPATH**. For more information about **SETPROJECT**, refer to the *VIPP® Language Reference Manual*.

Sheet size

In the context of VI Design Express, this designation is used in the InDesign Export menu when the final output parameters are created. Sheet size refers to the size of the sheet of paper on which the application is printed. Refer also to [Page Size](#).

Simplex

A method used to print only on the front side of the paper.

Slug or Crop Marks

Slug is a term used to specify a mark, normally a short thin line, that is printed on the final output of the page and used as a guide to finish the application. It is used typically to guide a cutting operation. A slug is printed typically at each corner of the document, just outside of the document area defined by the document size that is used in the Document setup menu. The term crop mark is used often to describe the same thing.

Specialty Imaging

A reference to the area of specialty printing in the offset industry that covers special printing effects. VI Compose includes support for [MicroText Font](#), [Xerox® GlossMark® Technology Text](#), [Correlation Mark](#), and [FluorescentMark color](#). These unique printing capabilities can be used to deter fraud and add visual effects to documents.

SQL

Refer to [Structured Query Language \(SQL\)](#).

String

Text, usually with a length restriction, that is enclosed in () and is meant to be processed as one entity. A string can usually include special characters and uppercase alphanumeric characters.

Structured Query Language (SQL)

A standard language for performing operations on a relational [Database Management System \(DBMS\)](#).

T

Tables

Refer to [Array](#).

TIFF

Tagged Image File Format, TIFF is a raster format designed as a standard. Almost every graphics application can read and write TIFF files. There are many variations of TIFF, considering that TIFF supports six different encoding routines and three different image modes: black and white, grayscale, and color. Uncompressed TIFF images can be 1, 4, 8, or 24 bits per pixel. TIFF images compressed using the LZW algorithm can be 4, 8, or 24 bits per pixel. TIFF files can save RGB, **CMYK**, and Lab color mode information, but not duotones.

TOF

Top of form.

Transactional Database

A database that can contain several records. Each record represents a transaction.

Transform Functions

A sequence made up of one or more operands and a VIPP® transform function keyword. The sequence operates some transformation on one of the operands and substitutes the entire sequence with the transformed operand. The sequence can replace any operand of any command or transform function, assuming that the value of the result is appropriate to replace that operand. This action allows transform functions to combine.

Tumble Duplex

A page that contains printing on both sides of the paper, with the top of the front side of the page matched to the bottom of the back side of the page. Refer also to [Duplex or Tumble Duplex](#).

V**Variable Information**

A term used as a generic description of the data that is used in VIPP® applications. The generic description refers to the many resources that can be inserted into an application, and to the way elements of the design can be placed conditionally into the application. The most recognizable Variable Information application is a mail-merge application, in which the variable data, name, address, and so on found in a data base file, are inserted into a letter.

Variable Information Production PrintWare (VIPP®)

A programming language used as a basis for FreeFlow VI Compose and the software that is included in the FreeFlow Variable Information Suite of applications. When processed by VI Compose, VIPP® provides an easy way to use Xerox PostScript devices in a traditional non-PostScript environment. Output, such as line-mode data, field-delimited data, or XML produced by traditional applications, can be imaged on a Xerox PostScript printer while requiring few, if any, modifications to the applications that generate the data.

Variables

A variable is a user or predefined data element that can be used in a VIPP® job. For example, the variable **VPOS** contains the current vertical print position.

VI Compose (VIC)

Refer to [FreeFlow® VI Compose \(VIC\)](#).

VI Design Express (VDE)

Refer to [FreeFlow® VI Design Express \(VDE\)](#).

VI Design Pro (VDP)

Refer to [FreeFlow® VI Design Pro \(VDP\)](#).

VI eCompose (VIeC)

Refer to [FreeFlow® VI eCompose \(VIeC\)](#).

VI Project (VP)

Also called a project, a VP is the logical grouping of VIPP® components as a single entity to simplify job resource handling tasks. The physical grouping of the same resources in a single compressed archive is referred to as a **VI Project Container (VPC)**. VI Projects can contain a VI Project File (VPF), which is used by applications like VI Design Pro to provide high-level features related to project management. To differentiate between projects with a VPF and projects without a VPF, the term **Non-VPF project** is used. Each VI Project has a project directory, whose name is the same as the project, and which contains the VPF file for the project and any **Local Resources** in the project.

VI Project Container (VPC)

A VPC is the physical grouping of resources of the project. VPC is a compressed archive that contains all the resources of a VP plus the VPF file, and is used for transporting and archiving VPs.

VI Print Package (VPP)

A VPP is a print-ready package output during the Export function of VI Design Express. The VI Print Package is designed for direct submission to an office device and is a self-contained print file. VI Design Express software packages all resources, control files, license files if available, and so on into the `.vpp` file. Unlike the `.vpc` file, the printer does not need to extract the files onto disk, however, system resources on the target device can be sufficient to allow the `.vpp` file to store all resources in memory. If there are not enough system resources, review how to submit a `.vpc` file to an office device.

VI Project Container (VPC)

A VPC is the physical grouping of all assets and resources used in the job that are required to print the application. The assets include all resources stored in the asset folder, plus VDE-generated resources such as JDT and DBM files, which are used by the printer to format the variable data application. The VPC is a compressed archive file, which can be printed directly to a Fiery print controller with VI Compose installed or **FFPS** that has been configured using a queue option called the VI Projects Container Filter (VPCF) to deploy and print that file type.

VI Projects Container Filter (VPCF)

A filter option of the **FFPS** queue settings that enables the direct submission of a VI Container `.vpc` file as a print file. Depending on the **VPCF** filter options selected, a `vpc` file, when sent to a queue with the **VPCF** option enabled, can do the following:

- Deploy the resources to the device
- Deploy the resources and print the file, leaving the resources installed on the device
- Deploy the resources, print the data file, then remove the job resources from the device

VI Project File (VPF)

A VPF corresponds to a single VP. A VPF contains the VP attributes and a list of the resources that make up the VP. A VPF always has a `.vpf` extension, and is stored in the directory of its project, which also contains the rest of the local resources of the project. For more information, refer to **Scope**.



Caution: VPF files are generated automatically and should not be modified manually. Unexpected results can occur when an incorrectly altered VPF is encountered.

VI Project Resource

A file that is part of a VI Project. Generally, VI Project resources are VIPP® resources, but there can also be non-

VIPP® files included in the project. The non-VIPP® files are not processed by VI Compose. A project resource can be part of a VI Project with a VPF, or a non-VPF project. The directories that contain project resources are determined by the value of the **SETPPATH** command in the `xgfdos.run` or `xgfunix.run` file, together with the **SETPROJECT** command in a VIPP® job.

VIPP®

Refer to [Variable Information Production PrintWare \(VIPP®\)](#).

VIPP® Cabinet

A folder on a FreeFlow Makeready system that can contain resources that can be accessible to VIPP® jobs.

VIPP® Command

A stand-alone sequence made up of any number of operands and a VIPP® command keyword as described in the syntax. Operands, if any, are always placed before the command. Commands are all uppercase to prevent conflict with PostScript operators.

VIPP® Pro or VIPP® SE VIPP®

Pro describes the type of VIPP® Pro code that is processed directly by VI Compose at the device without the need to go through a costly pre-composition step. The data file is processed at run time on the device. A pre-composition VIPP® workflow is referred to as VIPP® SE, in which a pre-composed print file is generated outside of the printer. With VIPP® Pro, changes can be made right up to print time, the data files do not need to be chunked, and it is quick and easy to reprint one or more records. Total processing and print time is much faster with VIPP® Pro.

VIPP® Pro-enabled

Describes a device on which VI Compose software resides. VIPP® documents and VDE applications can be sent to a VIPP® Pro-enabled print device.

VIPP® Repository

A collection of VIPP® resources and projects. You can have multiple VIPP® repositories on a single workstation or FreeFlow Print Server printer. Each repository is associated with an `xgfdos.run` or `xgfunix.run` file and can contain both legacy and project resources. Refer to [Legacy Resource](#) and [VI Project Resource](#).

VIPP® Resource

A VIPP® resource is a file that is used by a VIPP® job or VI Project. VIPP® resources include the following:

- Forms
- Images
- Segments
- Text, data, and program files
- PostScript files
- Submission files

VIPP® Service Module (VSM)

The VIPP® Service Module consists of features and functions that act primarily on the workflow space of your VIPP®-enabled device rather than on the actual composition and assembly of documents. Job service features are used to provide information about the job or to enable job processing before printing and imaging occur.

The VSM can be installed and activated. For more information, refer to the *FreeFlow VI Compose User Guide*.

VIPP®-enabled

Describes a device on which the VI Compose software resides. VIPP® documents can be sent to a VIPP®-enabled print device.

VIPP® Manage

VIPPManage is a utility used with VIPP®-enabled desktop or office print devices to load the VI Compose software and production license, install VIPP® patch files, and manage VIPP® resources.

VSM

Refer to [VIPP® Service Module \(VSM\)](#).

VTP

Refer to [FreeFlow® VI eCompose \(VIeC\)](#).

W

WYSIWYG

An acronym for What you see is what you get and used to indicate that what you see on your computer screen is what is produced when the application is printed.

X

Xerox Specialty Inks

Xerox Specialty Inks is an optional fifth color, available on the Xerox 1000 Printer or Xerox 800 Printer. The VI Design Express supports the creation of variable data documents targeted for this device by allowing users to easily apply Xerox Specialty Inks to text and graphics without the need to apply spot colors or overprint.

XETC

Xerox Europe Technical Centre

XJT

Refer to [XML Job Tickets](#).

XML

Extensible Markup Language (XML), is a data format that uses <start> and </end> tags to encapsulate the data and attributes associated with a data file. XML data files can be imported into the VDE panel, which allows you to select XML data elements to publish on a page, or for use in conditional logic.

XML Job Tickets

The VIPP® resource that contains all the format instructions to format an XML data file.

XML mode

The VIPP® mode used to process XML data. XML mode is started by the **STARTXML** command.

Z**Zebra**

Used to describe horizontal bars of a set width on a piece of paper. This refers to greenbar, which was a typical paper type used to print sysout type reports on old line printers. The green and white bars made it easier to read the printed data.

VIPP® Language Quick Reference Card

The VIPP® Language Quick Reference Card (QRC) is a printable reference that contains lists of VIPP® commands and variables, sorted by function, and VIPP® variables sorted by type.

The QRC is formatted for landscaped USLetter paper. For your convenience, you can fold the QRC into thirds and keep the reference information close to your workstation.

Cyclecopy Control

CHKPOINT	COLLATE_on
COLLATE_dbm	COPYRANGE
COLLATE_off	REPEAT

Date and Time

D_DD	D_MOL
D_DOY	D_MOS
D_DWL	D_YY
D_DWS	D_YYYY
D_MO	DAYS

Design and Debugging

AUTOGRID
BLGRID
FSHOW

Font and Color

GLT	INDEXOTL
HCOLOR	INDEXSST
INDEXALIGN	MPR
INDEXBAT	SETBAT
INDEXCOLOR	SETCJKENCMAP
INDEXFONT	SETCJKRULES
INDEXKERN	SETCOL
INDEXLSP	SETENCODING

Markers

%	SETDATE	SETFONT	SETTXB
% %	SHIFTDATE	SETFTSP	SETTXC
%!	T_AMP	SETFTSW	SETTXS
% % BoundingBox	T_HH	SETGEP	SETV2HCONV
% % EODXGF	T_HH2	SETKERN	SETV2HTABLE
RPCOUNT	T_MM	SETOTL	VPDISTPAT
RPLEFT	T_SS	SETPAT	% % XGF \$\$name [=name=]
SETCYCLECOPY	T_TZN	SETPPAT	[=VarDataFileName=]
SETMAXCOPY	NMP_off	SETTPAT	BBOX
SPOOLNAME	TLGRID	SETTRAN	%
GETDATE	XGFDEBUG		

This Quick Reference Card provides a listing of VIPP® commands and variables by function, and variables by type. For more information about each of these commands, refer to the *VIPP® Language Reference Manual*. Not all commands are available in the VIPP® Open Edition. Refer to the appropriate documentation.

Commands by Function

% % EOF	BPCOUNT	GETITEM
% % PagesPerBooklet	CASE	IF/ELSE/ELIF/ENDIF
Miscellaneous	CPCOUNT	IGNOREBT_off
++/-	DIV	IGNOREBT_on
ACCLOG	ENDCASE	LNCOUNT
ADD	ENDPAGE	
BCOUNT	FOREACH	
BEGINFRAME	G4PMETRIC_off	
BEGINPAGE	GETFIELD	

Output Device

BACK	ENDOFSET
DUPLEX_off	JOG_on/JOG_off
DUPLEX_on	SETFINISHING
ENDOFRUN	SETMEDIA

Page Control

ADVPAGE	GOTOFRAME
BEGINFRAME	GRIDSKIP
BEGINIMP	NEWBACK
ENDIMP	NEWFRAME

Page Layout

COLW	COLW	PRODUCT	SETLFI
FORMSHIFT	PAGEW	RELVAR	SHEETH
HPOS	PLINES	RESET	SHEETW
HPOS2	PORT	RSAVE	SHIFT
IHEIGHT	PSIZE	RUN	SLENGTH
I LAND	SETBFORM	RUNDD	SSIZE
I PORT	SETCOLWIDTH	RUNTIF	TIFORI_off
I WIDTH	SETFORM	SETPCD	TIFORI_on
LAND	SETFRAME	SETVAR	TWO UP
LSP	SETGRID	SORT	VPOS
ONEUP	SETGUNIT	SUB	YINIT
ORIBL	LPCOUNT	UPDATE	% %XGF
ORITL	LPINDEX	XGF	EXPAND
PAG	MSPP_on	XGFENTRY	EXTVAR
EH	MUL	XGFVER	

Page Marking

MOVEH	CUTMARK	VDISP	DRAWPFF
MOVEHR	DATAMATRIX	SETMEDIAT	DRAWPIE
MOVETO	DEFINELAYOUT	SETOBIN	DRAWPOL
NL	DRAWB and DRAWBR	SETOBINT	DRAWRDR
OMRINIT	DRAWBAR	SETRES	ENDCLIP
OMRSHOW	DRAWBC	STARTOFSET	ENDTABLE
OTCLIP and ITCLIP	SHMF	TUMBLEDUPLEX_off	ETCLIP
PDF417	SHMf	TUMBLEDUPLEX on	FCALL

QRCODE	SHmf	DRAWBM/DRAWBRM	FILLOMR
SAVEPP	SHP and SHp	DRAWC	HDISP
SCALL	SHPATH	DRAWCRV	ICALL
SETINDENT	SHPIT	DRAWPAR	IREVERSE_off
SETLAYOUT	SHPOS	DRAWPATH/ DRAWPATHRSHL and SH	IREVERSE_on
SHC and SHc	SHR and SHr	NEWFRONT	MAXICODE
SHJ and SHj	SHROW	NEWSIDE	
ABSPOS	SHT and SHt	NEWSTACK	
AZTEC	SHX	PAGEBRK	
BCALL	SVPOS	SETPBRK	
BEGINTABLE	TPATH	SKIPPAGE	
CLIP	USPS4CB	SLIPSHEET	

PDF Control

SETLFI	SETPAGESIZE	PDFOPEN
SETLKF	SETTAB	RUNPDF
SETLSP	SETTABS	SETPIF
SETMARGIN	SETUNIT	BOOKMARK
SETMAXBFORM	SETUTAB	PDFBOUND
SETMAXFORM	SETZEBRA	PDFDEST
SETMULTIUP	PDFINFO	PDFDEVICE
SETPAGENUMBER	PDFOCG	PDFFORMOCG

Printer Control Character

SETSKIP
 SETVFU
 BEGINPCC
 ENDPCC
 SETPCC

Print File Processing

PROCESSDJDE	UV2L	DJDEPAR
QSTRIP_on	XGFEND	ENDARBM
SETBIDI	XMLATL	ENDARBT
SETBUFSIZE	XMLATN	ENDBOOKLET
BACKSP_off	XMLATV	ENDJOB
BACKSPF_on	XMLDTH	ENDXPD
BACKSPP_on	XMLPAR	ETA
BIDI	XMLPATH	ETS
BACKSP_off	XMLSYN	RPCOUNT
PROCESSDJDE	XMLTAG	RPLEFT
SETDBSEP	XMLVAL	SLENGTH
SETDLFILE	ZSORT	TLENGTH
SETJDT	BEGINARBM	XMLDTH
SETLMFILE	BEGINARBT	ZSPAGE
SETNMP	BEGINXPD	ZSRECNUM
SETPARAMS	BOOKLETRANGE	ZSREPCNT
SOF_off	BSTRIP_off	ZSREPIDX
STARTBOOKLET	BTA	EXIT
STARTDBM	BTS	FRCOUNT
STARTLM	DJDEBEGIN	FRLEFT
STARTXML	DJDECMD	INDEXPIF
TRIO	TLGRID	LMSKIP

Record Processing Entry

OVERPRINT_on	BEGINRPE	SVPOS
PAGERANGE	CURLINE	VDISP
PPCOUNT	ENDIFALL	VPOS
NEWPOS	PAGEW	YINIT
RPEDEF	PSIZE	ENDRPE
RPEKEY	RPEPOS	FROMLINE
RPEPOS	SHEETH	INDEXRPE

SETRCD	SHEETW	NEWGROUP
SETRPE	SHPOS	
SETRPEPREFIX	SSIZE	

Resource Control

SETJPATH	FBIND	T_TZN
SETMPATH	MAKEVMFILE	XGFVER
SETPAGEDEF	MAKEVMFORM	XMLATL
SETPPATH	PRECACHE	XMLATN
SETPROJECT	SETEPATH	XMLATV
STOREVAR	SETFPATH	XMLPAR
SUBSTFONT	T_HH	XMLPATH
XGFRESDEF	T_HH2	XMLTAG
CACHE	T_MM	XMLVAL
EXIST	T_SS	SETIPATH

Transform Functions

GETINTV	VSUB	CASEUP
HMS	VSUB2	CODE128
NOHYPHEN	VSUB3	EAN128
POSTJPN	VSUB4	CODE39
POSTNET	20F5	CS
QSTRIP	64T0256	EAN13/EAN8
REPLACE	BSTRIP	F2S
ROUND	BTRIM	FORMAT
UPCA	CASE LOW	
UTF8TOLOC	CASETI	

Boolean

BACK
GRIDSKIP

Color

HCOLOR

Form

AUTOGRID

BLGRID

GEPKey

CLIP

Integer

BCOUNT

LPCOUNT

BPCOUNT

LPINDEX

CPCOUNT

PDFPAGES

CURLINE

PLINES

FRCOUNT

PPCOUNT

LNCOUNT

Real

COLW

HPOS

MPR

DEVRES

HPOS2

PAGEH

FRLEFT

IHEIGHT

GLT

I WIDTH

HDISP

LSP

String

D_DD

D_MOL

DJDEPAR

D_DOY

D_MOS

PRODUCT

D_DWL

D_YY

T_AMPM

D_DWS

D_YYYY

PDFDEVICE

D_MO

DJDECMD

