Installation and User's Guide for V1 R1.0 of

- **AnyQueue/LCDS to PCL**
- **VPS/LCDS to PCL**
- **VPSX/LCDS to PCL**

Subject to License/Trade Secret

Levi, Ray & Shoup, Inc. ("LRS") has prepared this software documentation for use only by LRS personnel and its licensees. The information contained herein is the property of LRS or its suppliers, contains trade secrets, and is licensed to you. Unless you are an employee of LRS or a licensee, you are not authorized to use this software documentation.

All warranties, if any, concerning the software are set forth in a license agreement with your company. This document creates no warranties pertaining to the software.

Trademarks

VPS®, VPS/Secure®, LRS®, 

, PageCenter®, PageCenter Plus®, AnyQueue®, AnyQueue/PageSorter®, AnyQueue/WebTRAC®, AnyQueue/Secure®, DRS/OutputManager™, DRS/Secure™ PageCenter Plus To-Go™, VPSX™, and VPSX/OutputManager™ are trademarks of Levi, Ray & Shoup, Inc. All other brand and product names are trademarks of their respective holders.

Copyright

Levi, Ray & Shoup, Inc.
2401 West Monroe Street
Springfield, IL 62704
Phone: 217-793-3800
Fax: 217-787-4014
http://www.lrs.com

Document Number: S333-0100-1 Revision Date: November 4, 2005

Table of Contents

Summary of Enhancements

The following table contains the fix numbers assigned to major enhancements and/or fixes.

VPS V1 R8.0.0667 (04/04/2005)

The VPS distribution libraries have been updated to include build level 298 instead of level 230 for conversions done using LCDS.

Source code changes have been made to update the product to the current build level.

This fix is not available as a zap. Customers who need this fix should contact LRS to request updated product distribution materials.

VPS V1R8.0 fix 8.0.0646 is a prerequisite.

VPS V1 R8.0.0672 (04/11/2005)

VPS distribution libraries containing sample members used with the LCDS conversion products needed to be modified to make them more compatible for use with VPS.

Library VPS.V1R80.LCDS.PARMLIB has been updated with new and changed members specifically modified for use with VPS.

A new distribution library, VPS.V1R80.LCDS.XLGOLIB, has been added with a sample LRS Xerox logo. It was determined that most users of the LCDS conversion products would require this library.

This fix is not available as a zap. Customers who need this fix should contact LRS to request updated product distribution materials.

Section 1
Overview

Products

This manual is provided for use with the following products: AnyQueue/LCDS to PCL, VPS/LCDS to PCL, and VPSX/LCDS to PCL.

Throughout this manual, the use of "LCDS to PCL" will pertain to all three of the above-mentioned products. If information in this manual does not apply to all three products, it will be noted.

Problems Addressed

Many organizations have been printing their output centrally on Xerox Laser Print Systems. But needs are changing and people find that it could be more effective to print the output from many applications on distributed printers close to the point of need. Unfortunately, desktop and LAN printers are not compatible with the Xerox print languages and resources.

Levi, Ray and Shoup, Inc., solves this problem with a cost-effective host-based software product that interprets Xerox print streams and resources and transforms them into print streams that can be printed on desktop and LAN printers. This allows organizations to combine their applications designed for high volume laser printers with the advantages of distributed LAN and desktop laser printers.

Product Overview

LCDS to PCL allows you to use your distributed LAN printers for many new and exciting applications, which in the past would have been impossible. This extends their usefulness, increases their value to the organization and positions you for the future.

LCDS to PCL uses a print stream transform technology which accesses the Xerox print resources as they are needed. This approach allows LCDS to PCL customers to easily take advantage of new printer and communications technology without modifying their applications.

Print Stream Support

LCDS to PCL is based on the ProMeta interpreter which supports all of the Xerox centralized printer capabilities including:

- Xerox metacode output from applications such as DocuMerge, Compuset, CSF, and XICS.
- LCDS print streams.
- Dynamic Job Descriptor Entries (DJDE).
- Job Source Language (JSL).

In addition, LCDS to PCL has been enhanced to be a replacement for the Xerox Remote Print Management Facility (RPMF) Print Management Utility (PMU).

Resource Support

LCDS to PCL contains support for an extensive array of Xerox print resources including:

- Xerox fonts (FNT)
- Xerox logos (LGO)
- Images (IMG)
- Forms (FRM)
- Job Source Language (JSL)
- Page Descriptor Entries (PDE)
- Copy Modification Entries (CME)
- Job Descriptor Entries (JDE)

Output Format

LCDS to PCL contains a device driver which creates HP PCL output datasets. These datasets can be printed on any printer that can support PCL Level 5.

Using the VPS run-time option, the output datasets can be formatted in a way that they can be distributed to network printers through the VPS product from Levi, Ray & Shoup.

The output PCL can be optimized through a number of run-time options which control the way fonts are managed and the way the PCL is constructed. For example, shading patterns can be made darker or lighter for specific printers or applications to meet special application needs.

Transform Control Options

LCDS to PCL has been designed to be a very powerful tool. It has an extensive set of control options which can be used to adapt LCDS to PCL to many different environments and uses.

Execution can be done through JCL, TSO, or under program control. JCL requirements can be controlled by the customer. DDNAMES can be changed to match any needs, or dynamic allocation of all datasets can be specified. This facility allows LCDS to PCL to run using JCL that would normally run other programs such as the RPMF Print Management Utility.

Many other options allow control over every facet of the transform process, making LCDS to PCL a fit for many different environments and needs.

Software Prerequisites

Operating System

MVS Platform

The LCDS to PCL product runs on MVS/ESA, OS/390, and z/OS.

Run Time LCDS to PCL has been developed using the IBM C/C++ compiler. For C run-time library support, one of the following is required on your system:

- Language Environment for MVS & VM Version 1.4 or higher.
- MVS C/C++ Language Support Feature of MVS/ESA Version 5.2.
- Language Environment element of OS/390.

Spooler The LCDS to PCL product requires that you use a software component that will transmit its output to the PCL printers. Products such as the VPS and VPS/TCP/IP products from Levi, Ray and Shoup provide this functionality.

Windows Platform

- Windows NT, 2000, XP, 2003

Unix Platform

- AIX 4.3 and higher.
- Solaris 8, 9, 10

Hardware Prerequisites

Computer The LCDS to PCL product requires a computer capable of running the software described above.

Printer The LCDS to PCL product requires a printer capable of printing the PCL language at Level 5 or greater. For HP printer support, this requires an HP LaserJet IIID, IIISi, or any of the LaserJet 4, 5, or newer printers. For other manufacturers, check your printer's specifications.

Network The printers must be connected to the MVS system using any attachment methodology which allows data to be sent from the host to the printer without translation. This includes TCP/IP and SNA links.

Section 2
Installation

Overview

This section contains installation instructions for the LCDS to PCL product.

MVS Platform

Tape Format

The installation tape is a standard labeled MVS tape. It contains the Job Control Language needed to unload the tape in the first dataset on the tape. Following the unload JCL are a number of datasets containing the product libraries in IEBCOPY format.

Installation Overview

To install the LCDS to PCL product, the following steps must be taken:

1. Determine the dataset naming convention to be used for LCDS to PCL.
2. Ensure the proper software and hardware are available to support LCDS to PCL.
3. Load the libraries from the tape onto your system DASD.
4. Customize the JCL and PARMLIB members to suit the installation's standards and guidelines.
5. Run the installation verification test and verify the output.
6. Load your Xerox resources into the LCDS to PCL libraries.
7. Test your own applications.

Installation Steps

The following contains more detail on the individual steps that must be taken to install LCDS to PCL.

1. **Determine dataset naming convention.**

   As with any program product you install, a naming convention will be required for the LCDS to PCL product and resource libraries. This can be chosen to fit your dataset naming standards and conventions.

2. **Ensure software and hardware prerequisites.**

   Review the software and hardware prerequisites on page 1.3. If you are not sure if you have the correct prerequisites, please contact LRS technical support staff to verify your configuration.

3. **Load the tape.**

   Loading the LCDS to PCL tape is a two-step process. The first step is to load the UNLOAD JCL from the first dataset on the tape. Refer to the "VPS Installation and Operation Manual", Installation chapter, for instructions and JCL for unloading the LCDS product files from the tape.

   Once the UNLOAD JCL has been loaded onto your system, you should customize this JCL (in ISPF, TSO EDIT, or ROSCOE) to meet your installation's needs and submit the job to load the LCDS to PCL libraries onto DASD.

4. **Customize JCL and PARMLIB.**

   You should review this manual and customize any members of the JCL and PARMLIB libraries to suit your installation needs.

5. **Run the installation verification test.**

   The LCDS2PCL member contains JCL to execute LCDS to PCL for standard users.

   These jobs will convert a test data dataset into PCL for printing on an appropriate printer. You should then route the output from this job (CSS03 or PRINTOUT SYSOUT) to the spooler for printing on the printer.

6. **Load your Xerox resources.**

   After you have verified that LCDS to PCL has been correctly installed and executed using the default resources, you should then upload your own Xerox printer resources to the LCDS to PCL resource libraries. See "Resource Management" on page 2.4 for more details on resource strategies and resource acquisition.

7. **Test your own applications.**

   After you have loaded your printer resources to the LCDS to PCL libraries and have created the necessary customizations (e.g., font mapping), you should test some of your own applications to ensure that the resources have been correctly loaded and that your customization is complete.

   Once this step is complete, LCDS to PCL can be put into production.

Unix Platform

The LRSINST program can be used to install all the necessary components required to execute LCDS to PCL.

The installation ‘Product-Set’ CON2 will install all transforms described in this manual (example: ./lrsinst con2). The transforms are activated by the use of a specific transformation type, a transformation key, and a transformation license file.

The transformation type refers to the type of transformation that will be performed (example: VPSXLCDS2PCL or ANYQLCDS2PCL). This value must be specified as the first positional argument to the LRSCVDR program.

The second positional parameter specifies the 60 character product key for the requested transformation. (When executing transformations under VPSX, a symbolic variable can be used to provide this value that will be dynamically replaced with the key value specified in the VPSX system configuration file (example: &keyafp2pcl)).

Finally, the transformation license file must be copied to the product installation directory (default /opt/lrs/convert2). The license file is provided in the root directory of the product distribution material and the file name will match the transformation type with the extension ‘.lic’ appended (e.g., vpsxlcds2pcl.lic).

Windows Platform

LRSCONV2.EXE is a self-extracting InstallShield program that is used to install all the necessary components required to execute the transforms.

Resource Management

Overview

The key to the power and flexibility of LCDS to PCL is the way it manages print resources.

Resource Types

LCDS to PCL contains support for an extensive array of Xerox print resources including:

- Xerox fonts (FNT)
- Xerox logos (LGO)
- Images (IMG)
- Forms (FRM)
- Job Source Language (JSL)
- Page Descriptor Entries (PDE)
- Copy Modification Entries (CME)
- Job Descriptor Entries (JDE)

Resource Naming Conventions

LCDS to PCL is based on Crawford Technologies, Inc., ProMeta interpreter which supports all of the Xerox centralized printer capabilities including:

- Xerox metacode output from applications such as DocuMerge, Compuset, CSF and XICS.
- LCDS print streams.
- Dynamic Job Descriptor Entries (DJDE).
- Job Source Language (JSL).

In addition, LCDS to PCL has been enhanced to be a replacement for the Xerox Remote Print Management Facility (RPMF) Print Management Utility (PMU).

Font Handling

LCDS to PCL provides the utmost flexibility for font utilization. Superior font management is the key to providing a successful print transform program.

LCDS to PCL provides several methods of handling fonts. These methods can be mixed and matched as appropriate for different fonts and applications. The user can:

- Use LCDS to PCL to convert Xerox fonts into PCL fonts and automatically download them to the printer with each job.
- Provide a table to map between Xerox fonts and PCL printer based fonts.

Convert Xerox Fonts to PCL Fonts

The LCDS to PCL font conversion utility supports the conversion of fonts from the Xerox centralized print format and the Xerox distributed print format into standard PCL bitmap fonts. These fonts are then uploaded to the host and stored in a library where they are accessed when needed.

When they are needed, the fonts are accessed, and, depending on optimization options set by the user, LCDS to PCL will either download the entire font, or select only the characters from the font that are actually used. This allows the user to minimize the size of the PCL datasets created.

We suggest that all of the fonts on the Xerox printers be stored in libraries accessible to LCDS to PCL when it is first installed. This ensures that the fonts are all there when they are needed.

Font Mapping

LCDS to PCL offers an option of mapping Xerox fonts to PCL fonts. This eliminates the need for downloading the soft fonts to the printer when they are needed. This option can be used for Xerox fonts which have equivalents in PCL fonts. The challenge with this method is that there are not many Xerox fonts in use by most customers which have exact equivalent PCL fonts to map to. In some cases the character codes are different or the character widths are different. Either of these problems will yield documents which will not look identical to the original documents printed on the Xerox LPS.

It is suggested that this option only be used in cases where the first option causes the output datasets to be too large for the network being used.

The "Font Mapping Tables" on page 2.10 explains how the tables are set up for mapping Xerox fonts to PCL printer fonts.

Logo Handling

As with fonts, LCDS to PCL provides the utmost flexibility for logo (Xerox .LGO resources) utilization.

LCDS to PCL provides the same methods of handling logos as it does for fonts. These methods can be mixed and matched as appropriate for different logos and applications. The user can:

- Use LCDS to PCL to convert Xerox logos into PCL fonts and automatically download them to the printer with each job.
- Provide a table to map between Xerox logos and PCL printer based fonts.

Image Handling

LCDS to PCL automatically converts Xerox images and .IMG datasets into PCL compressed images and embeds the images in the output PCL dataset. The user can optionally have LCDS to PCL store the converted PCL image into a library. This will allow the PCL images to be re-used during future print jobs, speeding the transform process.

Form Management

LCDS to PCL provides a very efficient and simple method of managing Xerox forms (.FRM). Xerox forms are stored in a library on the host. During the transform process, these forms are loaded as they are needed. LCDS to PCL then accesses any resources that are needed for these forms and handles them automatically. Finally, the text on each form is put into a PCL macro which is stored in the printer and accessed when it is needed in the document.

JSL Support

Xerox JSL is used during the transform process to ensure that proper formatting instructions are used. JSL source datasets are stored in a library on the host. This library is accessed when required during the transform process. This happens at startup and when DJDE records in the print dataset refer to objects normally stored on the printer.

It is suggested that all of the JSL datasets be copied from the printer to the host library when LCDS to PCL is installed.

System Catalog and Object Management

The Xerox LPS printers have several object types which are created by the PDL utility. These include:

- Job Descriptor Libraries (.JDL)
- Job Descriptor Entries (JDE)
- Page Descriptor Entries (.PDE)
- Copy Modification Entries (.CME)

These datasets are stored in a format which is undocumented and subject to change from one version of the Xerox OSS operating system to another. Rather than use these objects in LCDS to PCL, we use the JSL source from which these are created.

To manage the different objects, LCDS to PCL uses a dataset on the host which acts like the Xerox printer's System Catalog. This dataset contains pointers to the JSL source members which contain externally PDE and CME resources.

This "Catalog" dataset is created by running the PRO Meta utility against the JSL members which contain these objects. This catalog is also updated dynamically by LCDS to PCL when it finds new resources in the JSL during print transforms.

We suggest that when LCDS to PCL is installed, the PDL utility is executed against all of the JSL members in the library to build the catalog.

JSL Limitations

There are some JSL statements and parameters which are not supported by LCDS to PCL. They are either applicable to host-based processing of Xerox print datasets or not applicable to PCL printers. These functions include:

- STOCKSET statement.
- ABNORMAL statement LCDS to PCL always does CONTINUE processing. In the event of an abend or system interruption, jobs must be restarted from the beginning.
- UCSB processing is not supported.
- Highlight color JSL is read but not supported.
- Tape VOLUME parameters associated with tape labels are not supported.

Resource Library Maintenance

The LCDS to PCL resource libraries require very little maintenance activity. The libraries are built when the software is installed. When additions or changes are made to resources on the Xerox LPS printers, you should copy the new resources to the LCDS to PCL resource libraries.

MVS Platform

The LCDS to PCL libraries are all standard MVS partitioned datasets/files (PDS). This means that standard IBM utilities can be used to create, copy, compress, backup, and perform other management functions on the libraries.

As with any PDS, if there are a significant number of changes made to the members of a library, it should be compressed periodically.

Unix/Windows Platform

The LCDS to PCL libraries are all standard directories. This means that standard system utilities can be used to create, copy, compress, backup, and perform other management functions on the libraries.

Resource Acquisition

When LCDS to PCL is installed, the Xerox resources must be obtained and loaded onto the MVS system. Some installations already store Xerox resources in host libraries. In these cases, it should be easy to access these resources and copy them into the LCDS to PCL libraries.

In cases where the resources are stored on the Xerox LPS system hard disk, they must be copied from the printer to the host. There are two primary methods of performing this function.

If the Xerox LPS has a tape drive compatible with the MVS system tape drive, the resources can be copied to tape with the standard Xerox tape creation command (i.e. COPY TAPE WRITE LABEL). These tapes can then be read as unlabelled tapes on the MVS system and the resources copied into the PDS libraries.

In many cases, the Xerox LPS printers do not have tape drives which can be used for this function. In this case, the resources should be copied onto diskettes on the printer. These diskettes can then be read on a PC using the cdpFloppy/Xerox program, which is available where you purchased LCDS to PCL. This program runs on a PC which has a 5 ¼ inch diskette drive. It reads the resources from the Xerox format diskettes onto the hard disk of the PC.

Once the resources are on the PC, they can be uploaded to the host libraries using any standard host upload that supports binary dataset formats.

Instead of uploading Xerox fonts and Logos to the host, these resources should be converted to PCL on the PC using the FC3 utility. Only the converted PCL fonts need to be uploaded to the host. This will reduce the DASD requirements for font libraries on the MVS system.

Font Mapping Tables

The method which LCDS to PCL uses to map Xerox fonts to PCL fonts includes several parts.

- Long font names as used with RPMF and the Xerox distributed printers to be mapped into the standard Xerox centralized font names which are at most 6 characters long.
- Symbol sets are defined using the UNICODE character standard. These symbol sets can be applicable to the Xerox fonts or the mapped PCL fonts.
- PCL font definitions allow the user to describe the fonts that are resident in the target printer. Most PCL printers have internal scaleable fonts which can be used for this purpose. In the PCL font definition, a reference is made to the appropriate symbol set to be used with the particular PCL font.
- Xerox fonts which are to be mapped are defined, and in this definition, the PCL fonts which the Xerox fonts will be mapped to are referenced. As well, the symbol set used by the Xerox font is specified. LCDS to PCL determines the character code translations which must be made to convert from the symbol set used by the Xerox font to the symbol sets used by the corresponding PCL font(s).

Font Table Definition

All font mapping definitions are defined in a dataset which is defined in the FONTTABLE configuration parameter. This parameter can point to a member of the LCDS to PCL PARMLIB or it can point to a concatenation of datasets or PDS members. See "FONTTABLE" on page 3.17 for more information.

Within the Font Table, there are three different types of control records (or commands):

- SYMBOLSET defines the symbol sets used by Xerox or PCL fonts.
- PCLFONT defines the PCL printer's internal fonts available for mapping.
- XFONT defines the Xerox fonts, their RPMF names, symbol sets and the PCL font(s) to be mapped into.

These commands are defined in the "Font Table Command Reference" on page 2.12.

RPMF Font Names

To map from RPMF font names to the font in the Xerox font library, or to a PCL font, the XESNAME option is used on the XFONT command. If the font is to be mapped to a Xerox centralized font, then all that is required is the NAME parameter for the Xerox centralized font and the XESNAME option.

If the RPMF font is to be mapped to a PCL internal font, then the XFONT command will have to specify the symbol set used by the RPMF font and the PCL font(s) which the RPMF font will be mapped to.

The following is an example of an RPMF font being mapped to a Xerox font:

```
XFONT NAME=CTC39L,XESNAME=C3901ABC-L;
```

Symbol Sets

Symbol set definitions must be set up for any Xerox font which will be mapped to a PCL font. In addition, any PCL font which will be used for this mapping must also have a symbol set definition. To simplify this the HP Roman-8 symbol set is provided. This symbol set is used by most PCL printer fonts.

In addition, standard UNICODE character code map tables are read by LCDS to PCL so that existing character code tables can be used. These tables are readily available on the Internet or from vendors.

For unique Xerox fonts and custom Xerox fonts, the UNICODE tables can easily be defined using the standard UNICODE character map format.

The symbol set tables are stored in a partitioned dataset defined by the configuration parameter SYMBOLSETLIB.

PCL Font Definitions

The PCL fonts which are to be used are defined in the font table. This allows the user the flexibility to define any PCL printer fonts, (standard, new, cartridge, or custom fonts) and utilize these fonts for printing Xerox output.

The PCL font definition includes all of the criteria used for selection of PCL fonts. This allows any PCL printer resident font to be used, regardless of where the font originated.

Xerox Font Map Definitions

Xerox fonts which are to be mapped to PCL fonts are defined with the XFONT command. Essentially this command allows the user to perform a simple mapping by providing the name of the Xerox font, its Symbol Set Name and the name of the PCL font which it will be mapped to.

With these three pieces of information, LCDS to PCL can perform the mapping. It will determine the point size to be used by looking in the Xerox font library and will scale the PCL font to the correct point size. It will print the font in the same orientation as the Xerox font and use the appropriate weight and style as defined in the Xerox font definition.

If the Xerox font has characters that are not available in the PCL font being mapped, then additional PCL fonts can be specified in the XFONT command. This could be used, for example, to map a special Xerox font to a combination of a standard PCL text font and a special character font such as Symbols or Wingdings.

Font Table Command Reference

This section defines the syntax and content of the Font Table commands.

Each Font Table command has a standard command keyword=value syntax format.

Each command must be complete on one record or line of the dataset and should be followed by a semicolon. White space and commas are ignored, unless inside quotes. Strings of text including spaces must be contained inside a set of single quotes.

Comments may be interspersed with the commands by beginning the record with either a semicolon or an asterisk.

There are three commands which may be found in the Font Table. They are:

- SYMBOLSET
- PCLFONT
- XFONT

These commands are described in detail below.

SYMBOLSET

The following is the syntax of the SYMBOLSET command:

SYMBOLSET NAME=ssname [,TYPE={UNICODEA|CHARMAP}] [,MEMBER=membname] [,DESCRIPTION='desc text'] ;

NAME	**ssname** is the name the symbol set will be referred to in other commands.
TYPE	**UNICODEA** specifies that the symbol set table is in the UNICODE Format A format.
	CHARMAP specifies that the symbol set table is in the UNICODE CHAR MAP format.
MEMBER	**membname** is the name of the member in the symbol set library which contains the symbol set or character map for the symbol set. This parameter is only required if the member name is different from ssname.
DESCRIPTION	**desc text** is any description of the symbol set used as comments.

EXAMPLE

SYMBOLSET NAME=ROMAN8, TYPE=UNICODEA;

PCLFONT

The following is the syntax of the PCLFONT command:

PCLFONT NAME=fontname, SYMBOLSET=ssname, TYPEFACE=(tnum,tname) [,SPACING={FIXED|PROPORTIONAL][,LOCATION={INTERNAL|SIMM|CART}] [;POINTSIZE=psize] [,PITCH=cpi] [,STYLE=s] [,WEIGHT=w] [,RESOLUTION=res] ;

NAME **fontname** is the name the PCL font will be referred to in other commands. While it does not have to match the typeface name, it should be based on it.

SYMBOLSET **ssname** is the name of the symbol set which will be used when this font is invoked. There must be a SYMBOLSET command in the font table for this name.

TYPEFACE **tnum** is the internal typeface number of the PCL typeface to be used.

tname is the name of the PCL typeface to be used. While it does not have to match the name identically, it should be specified as closely as possible. For type faces with embedded spaces, the name must be enclosed in single quotes.

SPACING **FIXED** means that the font is a fixed pitch font, whereas **PROPORTIONAL** means that the font is a proportional (variable character width) font.

LOCATION **INTERNAL** means that the font is a standard internal printer font.

CART means that the font is contained in a font cartridge which is placed in the printer.

SIMM means that the font is contained in an optional printer resident SIMM chip.

POINTSIZE **psize** is the point size of the PCL font. If the PCL font is a scalable font, then this parameter should not be specified.

PITCH **cpi** is the pitch of a fixed pitched PCL font in characters per inch (i.e. 8.1, 10, 12, 15). If the font spacing is proportional, then this parameter should not be specified.

STYLE **s** is the PCL style selection value for the PCL font. The following table describes possible values:

Value	Font Style
0	Upright, solid. Default if not specified.
1	Italic
4	Condensed
5	Condensed italic
8	Compressed or extra condensed.
24	Expanded
32	Outline
64	Inline
128	Shadowed
160	Outline shadowed.

WEIGHT **w** is the PCL weight selection value for the PCL font. The following table describes possible values:

Value	Font Style
-7	Ultra Thin
-6	Extra Thin
-5	Thin
-4	Extra Light
-3	Light
-2	Demi Light
-1	Semi Light
0	Medium, Book or Text. Default if not specified.
1	Semi Bold
2	Demi Bold
3	Bold
4	Extra Bold
5	Black
6	Extra Black
7	Ultra Black

RESOLUTION **res** is the resolution of bit map fonts. If the font is a scaleable font, then RESOLUTION should not be specified.

EXAMPLES

PCLFONT NAME=Courier,SYMBOLSET=Roman8,TYPEFACE=(4099,Courier),SPACING=FIXED;
PCLFONT NAME=CGTimes,SYMBOLSET=Roman8,TYPEFACE=(4101,'CG Times');

XFONT

The following is the syntax of the XFONT command:

XFONT NAME=fontname, [,SYMBOLSET=ssname] [,XESNAME=rpmfname] [;POINTSIZE=psize] [,PITCH=cpi] [,PFONT=pclfontname] [,PPOINTSIZE=pclptsize] [,ORIENT=o];

NAME	**fontname** is the name of the Xerox centralized font which is either being mapped to a PCL font or is being mapped by an RPMF font.
SYMBOLSET	**ssname** is the name of the symbol set which will be used when this font is mapped to the PCL font. There must be a SYMBOLSET command in the font table for this name.
XESNAME	**rpmfname** is the name of the Xerox distributed printer font used in RPMF. This name can be 20 characters long. When specified, this font name will be recognized when it is used in the RPMF control cards that are used as input to LCDS to PCL. This name will be mapped to the Xerox font name specified in NAME, or if specified, to the PCL font specified in the PFONT parameter.
POINTSIZE	**psize** is the point size of the Xerox font if it is a proportional (variable character width) font. This is specified in printers points (approximately 1/72 inch) and may have a decimal point and digits after the decimal point (i.e. 8.5). If the Xerox font is available in the font library, then this parameter need not be specified.
PITCH	**cpi** is the pitch of a fixed pitch font in characters per inch (i.e. 8.1, 10, 12, 15). If the font spacing is proportional, then this parameter should not be specified.
ORIENT	**o** is the orientation of the Xerox font. It should be specified as either **P** for Portrait, **L** for Landscape, **I** for Inverse Portrait, or **J** for Inverse Landscape.
PFONT	**pclfontname** is the name of the PCL font specification which this Xerox font will be mapped to. There must be a PCLFONT command in the font table with a name that matches the pclfontname specified in this parameter. This parameter causes the Xerox font to be mapped to the PCL font instead of the converted font being downloaded. Caution should be taken to ensure that the font has the correct characters in it and that the character widths are compatible to the Xerox font. Otherwise the results will not be as good as when the converted fonts created by LCDS to PCL are used. Time should be taken to test this when used.
PPOINTSIZE	**pclptsize** is the point size of the PCL font which will be used when mapping this font. This may be required in cases where point sizes of the Xerox fonts do not match the point size used by the PCL typeface. This can occur because point size specifications are not always mathematically calculated, but are sometimes assigned for reasons of aesthetics.

EXAMPLES

XFONT NAME=XCL6AD,SYMBOLSET=XEROXFC,PITCH=13.6,PFONT=Courier;
XFONT NAME=Z05F4L,SYMBOLSET=XEROXL01,POINTSIZE=14,PFONT=UNUVEL;
XFONT NAME=C390NL,XESNAME=C3901-L,ORIENT=L;

PDL Utility Usage

MVS Platform

The PDL utility is used to add and modify entries in the System Catalog (SYSCATLG) dataset. The System Catalog is a text dataset (or PDS member) which should be set up as a variable blocked dataset with LRECL of 255. The JCL provided with LCDS to PCL references this dataset as the PARMLIB member SYSCATLG.

This utility only needs to be run when the installation uses “external resources” such as externally referenced PDEs and CMEs. This utility need only be run when external resources are added to the Xerox JSL library. Note that the external resources can be modified without the need to rerun PDL, as it only captures the name of the JSL containing the resources. It does not actually compile the resources as the PDL compiler on the Xerox printer does.

To run the PDL utility you need to use the PMPDLGO member of the JCL dataset. You then need to specify the name of the JSL member to be “catalogued” in the JDL parameter. Optionally you can specify the name of a JDE in this JSL using the JDE parameter.

Example PDL Utility

```
//TTSECPDL JOB(MITS,T),'E.LRS',CLASS=A,MSGCLASS=X,MSGLEVEL=(1,1),
//     NOTIFY=&SYSUID,LINES=1                                    00020000
//PRIVATE JCLLIB ORDER=CTI1.PROCLIB
//*****************************************************************
//* DESCRIPTION: RUN PRO/META PDL   PROGRAM                       ***
//*      SOURCE: CTI1.PROCLIB(PMPDLGO)                            ***
//*****************************************************************
//PMPDLGO  PROC TESTNAME=DUMMY,
//             AFPODCB='(RECFM=VBM,LRECL=32756,BLKSIZE=32760)',
//             APPLCNFG=APPCFG,
//             LEPARM='TRAP(ON)/',
//             PMPREFIX='VPS.V1R80', PRO/META DATASET PREFIX
//             JDL=,                 NAME OF THE JDL TO BE PROCESSED
//             JDE=,                 NAME OF A JDE IN THE JDL
//             PMPARM1=,
//             PMPARM2=
//*****************************************************************
//* DESCRIPTION: RUN PRO/META PDL UTILITY PROGRAM                 ***
//*****************************************************************
//PMPDLGO  EXEC PGM=PDL,TIME=100,
//             REGION=4M,PARM='&LEPARM -CDD:PARMLIB(&APPLCNFG)
//             -JDL=&JDL -JDE=&JDE -SYSCATUPDATE=YES
//             &PMPARM1  &PMPARM2'
//STEPLIB  DD  DSNAME=&PMPREFIX..LOAD,DISP=SHR
//SYSPRINT DD  SYSOUT=*
//SYSUDUMP DD  SYSOUT=*
//CEEDUMP  DD  SYSOUT=*
//SYSOUT   DD  SYSOUT=*
//TRACE    DD  SYSOUT=*
//STATSOUT DD  SYSOUT=*
//SYSCATLG DD  DISP=SHR,DSN=CTI1.XTD.&TESTNAME..PARMLIB(SYSCATLG)
//SYSCFG   DD  DISP=SHR,DSN=&PMPREFIX..PARMLIB(SYSCFG)
//PARMLIB  DD  DISP=SHR,DSN=CTI1.XTD.&TESTNAME..PARMLIB
//         DD  DISP=SHR,DSN=&PMPREFIX..PARMLIB
//PRINTIN  DD  DUMMY,DCB=&AFPODCB
//XFNTLIB  DD  DISP=SHR,DSN=CTI1.XTD.&TESTNAME..XRESLIB
//XIMGLIB  DD  DISP=SHR,DSN=CTI1.XTD.&TESTNAME..XRESLIB
//XLGOLIB  DD  DISP=SHR,DSN=CTI1.XTD.&TESTNAME..XRESLIB
//FORMLIB  DD  DISP=SHR,DSN=CTI1.XTD.&TESTNAME..XRESLIB
//JSLLIB   DD  DISP=SHR,DSN=CTI1.XTD.&TESTNAME..JSLLIB
//SYSFNT   DD  DISP=SHR,DSN=&PMPREFIX..XFONTLIB
//SYSLGO   DD  DISP=SHR,DSN=&PMPREFIX..XLGOLIB
//SYSFRM   DD  DISP=SHR,DSN=&PMPREFIX..FORMLIB
//SYSIMG   DD  DISP=SHR,DSN=&PMPREFIX..XIMGLIB
//SYSJSL   DD  DISP=SHR,DSN=&PMPREFIX..JSLLIB
//         PEND
//TOWER    EXEC PMPDLGO,TESTNAME=TOWER,JDL=ACTMGR,JDE=AM12LD
```

In this example, all Xerox objects in the JSL library member will be catalogued in the SYSCATLG dataset.

Unix/Window Platform

The PDL utility generates system catalogs. It lists all JSL objects and where they can be found.

The utility needs to be run when applications use “external resources”. External resources are those PDE and CME resources that are defined in a global JSL/JDL, and referenced from applications using other JSL files. Do not specify the extension in the member name.

The format of the command to execute the PDL utility is:

Pdl -cconfigFile -jdl=member

If the required filenames and options or overrides are to be used as specified in the configuration file, only **pdl** is required. The optional entries are:

Options/overrides which can include the name of the configuration file (prefixed with -c) and/or any other configuration file command (prefixed with a -).

The following is an example of PDL utility execution:

C:>pdl -ctest.ini -jdl=PDEALL

Overview

This section discusses how to use LCDS to PCL to transform a document to print on a PCL printer. It assumes that the product is already installed and tested on the system.

MVS Platform

JCL

LCDS to PCL contains support for different JCL profiles. DDNAME usage can be tailored to the installation's needs. If necessary, any LCDS to PCL datasets can be dynamically allocated. This flexibility allows LCDS to PCL to be used in many different environments. The Configuration Dataset reference has detailed information on how to change DDNAME assignments and how to use dynamic allocation.

This section includes the JCL specifications for the following environment:

- Standard batch execution.

Standard Batch Execution

Batch execution is not supported by LRS and is provided for demonstration and testing purposes only.

LCDS to PCL allows a lot of flexibility in how datasets are accessed, and what DDNAMES are used. We have provided an example in the distribution JCL library.

DDNAMES

LCDS to PCL uses the following datasets and DDNAMES in standard batch execution mode:

DDNAME	Purpose	Comments
SYSPRINT	Error and warning messages from LCDS to PCL.	
SYSUDUMP	Dump output in the event of an abend.	
CEEDUMP	Dataset for error messages generated by Language Environment Dump Services.	CEEDUMP must be a sequential dataset and it must be allocated to SYSOUT, a terminal, or a unit record device, or the dataset must have the attributes RECFM=VBA, LRECL=125, and BLKSIZE=882.
SYSOUT	Error and warning messages from LCDS to PCL.	
TRACE	Trace and debugging messages from LCDS to PCL.	
STATSOUT	Statistics for LCDS to PCL execution.	Only required if STATS=DETAIL or STATS=SUMMARY specified.
SYSCATLG	The dataset that contains the system catalog for finding JSL objects.	
PARMLIB	LCDS to PCL configuration datasets are stored in this library.	
XFNTLIB	Xerox fonts (.FNT).	
XIMGLIB	Xerox images (.IMG).	
XLGOLIB	Xerox Logos (.LGO).	
FORMLIB	Xerox Forms (.FRM).	
JSLLIB	Xerox JSL (.JSL).	
PRINTIN	Print data dataset from application.	
OUTFILE	Used to route the output to the PCL printer.	
PIMGTEMP	PCL temporary converted images.	
PFONTLIB	PCL versions of the Xerox fonts.	
PIMGLIB	PCL versions of Xerox images.	

Unix/Windows Platform

LCDS to PCL allows a lot of flexibility in how files are accessed and how the program is invoked.

LCDS to PCL is a command line (or batch) program. It is set up so that users can execute the program as a VPSX filter or AnyQueue Backend process. This transform is executed using the LRS conversion driver routine (LRSCVDR on Unix and NLRSCVDR on Windows). This routine validates the transformation type and key values that are specified as the first two positional parameters and then executes the appropriate conversion routine. All arguments following the transformation type and key arguments are passed directly to the requested transformation routine.

Example:

Unix

lrscvdr LCDS2PCL &keylcds2pcl -cconfigurationfile -infile=&infile -outfile=&outfile
lrscvdr ANYQLCDS2PCL <60byte key> -cconfigurationfile -infile=+ANYQ_PATH -outfile=/opt/lrs/outputfile.pcl

Windows

nlrscvdr ANYQLCDS2PCL <60byte key> -cconfigurationfile -infile=+ANYQ_PATH -outfile=c:\lrs\outputfile.pcl

Additional transformation specific arguments can be added to the end of the above commands.

lrscvdr Command Line Parameters

lrscvdr is called with the following arguments or parameters:

convtype convkey -infile=*inputfile1* -outfile=*outputfile*

File Usage

The names of all files used by LCDS to PCL can be specified in the configuration files or over-ridden by command line parameters. LCDS to PCL uses the following files:

Parameter	Purpose	Comments
AUXCONFIG	Auxiliary configuration file.	Default is ctiaux.ini.
-c	Application configuration file.	Default is cticon.ini (only specified on the command line parameter).
DEBUGFILE	Trace and debugging messages from LCDS.	Only needed when directed by LRS technical support staff.
DEVCONFIG	Device configuration file.	Default is ctidev.ini.
DRVCONFIG	Driver configuration file.	Default is ctidrv.ini.
ERRORFILE	Error and warning messages from LCDS.	
FNTCVTDIR	PCL versions of the Xerox fonts.	Subdirectory path.
FONTSDIR	Xerox fonts (.FNT)	Subdirectory path.
FONTSPATH	Xerox font libraries.	List of directory paths.
FONTTABLE	Font table commands to map fonts.	
FORMSDIR	Xerox forms (.FRM).	Subdirectory path.
FRMPATH	Xerox form libraries.	List of directory paths.
IMAGECVTDIR	PCL versions of Xerox images.	Subdirectory path.
IMAGEDIR	Xerox images (.IMG).	Subdirectory path.
IMAGETEMPDIR	PCL temporary converted images.	Subdirectory path.
IMGPATH	Xerox image libraries.	List of directory paths.
INDEXFILE	Index records file.	
INFILE	Print data file from application.	Can be specified as first positional parameter on command line.
JSLDIR	Xerox JSL (.JSL).	Subdirectory path.
JSLPATH	Xerox JSL libraries.	List of directory paths.
LGOCVTDIR	PCL versions of Xerox logos.	Subdirectory path.
LGODIR	Xerox Logos (.LGO).	Subdirectory path.
LGOPATH	Xerox logo libraries.	List of directory paths.
OUTFILE	Used to route the output to the PCL printer.	Can be specified as second positional parameter on command line.
RESMANCONFIG	Resource Manager configuration file.	Default is ctires.ini.
STATISTICSFILE	Statistics for LCDS to PCL execution.	Only used if STATS=DETAIL or STATS=SUMMARY specified.

Parameter	Purpose	Comments
SYSCATBACKUP	The backup of the system catalog file.	
SYSCATLG	The file that contains the system catalog for finding JSL objects.	Used for finding PDE definitions.
SYSCONFIG	System configuration file.	Default is ctisys.ini.

JSL

LCDS to PCL supports Xerox JSL source control datasets. This section explains how JSL can be used to control LCDS to PCL actions.

For PMU emulation mode, a default JSL is set up which accomplishes the following:

- Sets the default values for the PMU print environment (page margins, fonts, etc.).
- The JSL contains definitions of the different objects referred to in PMU Control Records (i.e. PDEs).

PMU Control Records

When in RPMF PMU emulation mode, LCDS to PCL reads the PMU control records and uses them to guide execution of LCDS to PCL. There are some PMU options which are not applicable to the LCDS to PCL environment, and there are some which could cause LCDS to PCL to take inappropriate actions. The following table shows which PMU options are supported and those which have no affect on LCDS to PCL processing:

PMU Parameter Keyword	Supported	Comments
ASSIGN	Yes	
BANNER	N/A	
BEGIN	Yes	
BLOCK	N/A	
BOF	Yes	
C	Yes	
COPIES	Yes	
CREC	Yes	
DATA	Yes	
DISPLAY	N/A	
DOWNLOAD	N/A	
FONTCODE	N/A	
FONTINDEX	Yes	
FONT	Yes	
FORMAT	Yes	
FORMLIB	N/A	
PMU Parameter Keyword	Supported	Comments
FORMS	Yes	
IGNORE	N/A	
ITEXT	N/A	
MARGIN	Yes	
NOLOAD	N/A	
NUMBER	No	
OFFSET	Yes	
OUTPUT	N/A	
PAGESIZE	Yes	
PCC	Yes	

PMU Parameter Keyword	Supported	Comments
PCC BYTE	Yes	
RSTK	Yes	
SET	Yes	
TERM	N/A	
TOF	Yes	
TRAY	No	PCL printers may not map trays the same as the Xerox printers they are replacing.
UDK	N/A	
UNITS	Yes	
WARNINGS	N/A	

LCDS to PCL Parameters

LCDS to PCL provides a simple and efficient method of controlling the LCDS to PCL options which are used during LCDS to PCL execution. Parameters can be passed to LCDS to PCL in the PARM option of the EXEC statement in the JCL and they can be specified in the LCDS to PCL configuration library (also known as the LCDS to PCL parmlib).

This library is normally a standard MVS partitioned dataset (PDS), which contains a number of members. We refer to each of the members as a "configuration dataset". Full details of the parameters which may be specified in the configuration datasets are provided in "Configuration" on page 3.1.

There are 6 different configuration dataset types which may be kept in parmlib. These datasets, in order of precedence, are described as follows:

1. **Device Configuration Dataset**

   The device configuration dataset is for parameters which must be specified for a particular output device or class of device.

2. **Resource Manager Configuration Dataset**

   The resource manager configuration dataset is provided for parameters which control the management of resources for the installation.

3. **Driver Configuration Dataset**

   The driver configuration dataset is provided for parameters which are generic to all PCL printers, and are printer specific.

4. **Application Configuration Dataset**

   The application configuration dataset is provided for parameters which are unique to a particular application. These would normally include the name of the JDL and JDE to be used.

5. **Auxiliary Configuration Dataset**

   The auxiliary configuration dataset is provided for parameters which may apply to a group of applications. This may be used for parameters which are common across all applications for a client or department.

6. **System Configuration Dataset**

   The system configuration dataset is where basic installation information is stored. This will include installation defaults for parameters which may be specified in the other configuration datasets.

Section 3
Configuration

Overview

This section discusses the LCDS to PCL configuration parameters and contains a reference section on the individual parameters.

MVS Platform

Configuration parameters may be specified in the configuration datasets or in the PARM parameter on the EXEC statement in the JCL for the program.

Unix/Windows Platform

Configuration parameters may be specified in the configuration files, the command line, or in the environment.

See "Reference Tables" on page A.1 for a complete list of the parameters available.

Syntax

LCDS to PCL commands use a standard keyword=value syntax. Each record of the configuration dataset (PDS member or sequential dataset) has one parameter specified with the keyword followed by the value and, optionally, some white space and comments. The keywords and their values may be specified in either upper case or lower case characters.

When specified in the program EXEC PARM field on the MVS platform or command line on the Unix/Windows platform, the keyword should be preceded by a hyphen.

Comments

LCDS to PCL allows comment statements to be embedded in configuration datasets. These comments are specified by putting a semicolon in the first position of the record which contains the comments.

Parameter

The following pages contain commands that may be specified in the configuration datasets and in parameters on the LCDS to PCL command line.

BLANKPAGESUPPRESS (MVS)

BLANKPAGESUPPRESS= Allows pages with no data on them to be eliminated from the output dataset.

Valid Values: BLANKPAGESUPPRESS=n

Where **n** is the minimum number of text records that must be on a page before it is imaged.

Default: 0

Example: BLANKPAGESUPPRESS=0

Notes: The BLANKPAGESUPPRESS parameter can be specified in any of the configuration datasets or on the program execution PARM.

If you want blank pages in the output dataset to line pages up properly for duplex printing, adding overlays, or for BATCH graphics applications, the default setting should be sufficient. Otherwise, the default should remove unwanted blank pages.

COPYCOUNT (MVS)

COPYCOUNT= Specifies the number of copies that will be output. This parameter overrides the copy count in the JSL.

Valid Values: COPYCOUNT= nnnn

Where nnnn is a valid number.

Default: 0

Example: COPYCOUNT= 4

Notes: The COPYCOUNT parameter can be specified in any of the configuration datasets or on the program execution PARM.

The default setting will allow the JSL and DJDE copy counts to work as they do on a Xerox LPS.

Also see: "COPYSTART" on page 3.4.

COPYSTART (MVS)

COPYSTART= Specifies the copy number that output should start on. This is important when there are copy sensitive CMEs in the report.

Valid Values: COPYSTART= nnnn

Where **nnnn** is the copy number that output should start on.

Default: 1

Example: COPYSTART= 3

Notes: The COPYSTART parameter can be specified in any of the configuration datasets.

Also see: "COPYCOUNT" on page 3.3.

DEBUG
(MVS and Unix/Windows)

DEBUG= Specifies the level of debug messages that will be printed during the print stream transformation. The higher the value, the more detail is placed in the debug log dataset/file.

Valid Values: 0 - FF

Default: 0

Example: DEBUG=FF

Specifies the highest level of debug information.

Notes: The DEBUG parameter can be specified in any of the configuration datasets/files or on the program execution PARM/command line.

DEBUG should be either set to 0 for production runs, or 1 when running tests. The use of a value greater than 1 should only be done when directed by LRS technical support staff.

Also see: "DEBUGFILE" on page 3.6.

DEBUGFILE
(MVS and Unix/Windows)

DEBUGFILE= Specifies the name of a dataset/file which will be dynamically allocated for debug information.

Valid Values:

MVS: DEBUGFILE={DD:ddname|dataset-name}

Where **ddname** is the name on the DD statement to specify where debug information will be written.

datasetname is the name of a dataset which will be dynamically allocated for debug information.

Unix/Windows: DEBUGFILE=filename

filename is the name of a file which will be dynamically allocated for debug information.

Default:

MVS: DD:TRACE

Unix/Windows: DEBUG.LOG

Example:

MVS: The following parameter specifies that debug information should be output to the SYSDEBUG DD statement:

DEBUGFILE=DD:SYSDEBUG

The JCL should then have an appropriate DD statement, such as:

//SYSDEBUG DD SYSOUT=A

Unix/Windows: The following example specifies that debug information should be output to the DEBUG.LOG file.

DEBUGFILE=DEBUG.LOG

Notes:

MVS: The DEBUGFILE parameter can be specified in any of the configuration datasets or in the PARM parameter on the EXEC JCL statement.

DEBUGFILE is only required when DEBUG is not set to 0. However, it is good practice to always include DEBUGFILE in the system configuration dataset.

It is good practice to use the DD:ddname method of specification in the MVS environment.

Unix/Windows: The DEBUGFILE parameter can be specified in any of the configuration files or on the command line.

DEBUGFILE is only required when DEBUG is not set to 0. However, it is good practice to always include DEBUGFILE in the system configuration file.

Also see: "DEBUG" on page 3.5.

DFLTFNT
(MVS and Unix/Windows)

DFLTFNT= Specifies the name of the default Xerox font to be used when there is no font specified in the active JDE.

Valid Values: DFLTFNT=font

Where **font** is a valid 1 to 6 character name of a Xerox font.

Default: L0112B

Example: DFLTFNT=L0112B

Notes: If the default font is not acceptable, the DFLTFNT parameter should be specified in the system configuration dataset/file.

In most cases, the system default setting is acceptable as it is the same default font as used on Xerox LPS printers.

ERRORFILE
(MVS and Unix/Windows)

ERRORFILE= Specifies the name of the dataset/file which will contain error, warning, and informational messages generated during the execution of LCDS to PCL.

Valid Values:	**MVS:**	ERRORFILE={DD:ddname|datasetname}
		Where **ddname** is the name on the DD statement to be used to specify where error information will be read.
		datasetname is the name of a dataset which will be dynamically allocated for debug information.
	Unix/Windows:	ERRORFILE=filename
		Where **filename** is a valid file name.
Default:	**MVS:**	DD:SYSPRINT
	Unix/Windows:	ERROR.ERR
Example:	**MVS:**	ERRORFILE=DD:SYSERROR
		The JCL should then have an appropriate DD statement, such as:
		//SYSERROR DD SYSIN=A
	Unix/Windows:	ERRORFILE=ERROR.ERR
Notes:	The ERRORFILE can be specified in any of the configuration datasets/files or on the program execution PARM/command line.	
	The ERRORFILE parameter should be specified.	

FILEDJDEOPTION (MVS and Unix/Windows)

FILEDJDEOPTION= Specifies action that should be taken when LCDS to PCL encounters a FILE=DJDE in the print dataset/file. FILE= is used to dynamically download resources to a Xerox printer in a print job.

Valid Values:

MVS: YES or NO

If **YES** is specified, then downloaded datasets are always written/updated.

If **NO** is specified, then the dataset download is ignored. This will reduce resource consumption, but you must ensure that all required resources are already in the appropriate libraries.

Unix/Windows: FILEDJDEOPTION= {YES|NO|FIRST}

If **YES** is specified, then downloaded files are always written/updated.

If **NO** is specified, then the file download is ignored. This will reduce resource consumption, but you must ensure that all required resources are already in the appropriate libraries.

If **FIRST** is specified, then the file that is being downloaded is saved in the appropriate Xerox resource library only if it does not already exists. This saves CPU and I/O resources.

Default: YES

Example: FILEDJDEOPTION=NO

Notes: The FILEDJDEOPTION parameter may be specified in any of the configuration datasets/files.

Leave this parameter at the default setting unless you have applications which use this methodology to update forms when they are revised.

FNTCONVERTPGM (MVS and Unix/Windows)

FNTCONVERTPGM=

MVS: Specifies the name of the executable load module that converts fonts from Xerox to PCL format or that font conversion will be done internally by LCDS to PCL.

The program specified must be available in the STEPLIB, JOBLIB, or a link list library.

Unix/Windows: Specifies the name of the executable load module that converts fonts from LCDS to PCL format.

Valid Values:

MVS: FNTCONVERTPGM={pgmname|INTERNAL}

Where **pgmname** is the name of the executable load module that converts fonts from Xerox to PCL format.

INTERNAL specifies font conversion will be done by LCDS to PCL.

Unix/Windows: FNTCONVERTPGM={pgmname|INTERNAL}

Where **pgmname** is the name of the executable load module that converts fonts from LCDS to PCL format.

INTERNAL specifies that font conversion will be done internally by LCDS to PCL.

Default: INTERNAL

Example: FNTCONVERTPGM=MYFC3

Notes: The FNTCONVERTPGM parameter must be specified in the system configuration dataset/file.

This parameter should default unless otherwise directed by LRS technical support staff.

FNTCVTDIR (Unix/Windows)

FNTCVTDIR= Specifies the directory that will be used to store the converted fonts.

Valid Values: A valid path.

Default: None.

Examples: FNTCVTDIR=C:\pmpcl\temp\fonts

FNTCVTDIR=/pmpcl/temp/fonts

Notes: The FNTCVTDIR parameter can be specified in the system configuration file.

FNTCVTDIR should specify a directory where PCL fonts can be stored safely.

Also see: "FNTCVTEXT" on page 3.12.

FNTCVTEXT (Unix/Windows)

FNTCVTEXT= Specifies the file extension that is used to create a valid file name from a Xerox font name. The member names are used for the converted (PCL) versions of Xerox fonts.

Valid Values: FNTCVTEXT=xxx

Where **xxx** is a valid file extension up to three characters in length.

Default: PCF

Examples: FNTCVTEXT=PCF

Notes: The FNTCVTEXT parameter must be specified in the system configuration file.

LCDS to PCL is shipped with a set of converted fonts in the PFONTLIB library, which use a setting of PCF. It is recommend to use this setting for these fonts.

Also see: "FNTCVTDIR" on page 3.11.

FNTEXT (Unix/Windows)

FNTEXT= Specifies the file extension that is used to create a valid file name from a Xerox font name. The member names are used for the Xerox fonts.

Valid Values: FNTEXT=xxx

Where **xxx** is a valid filename extension up to 3 characters in length.

Default: FNT

Examples: FNTEXT=FNT

Notes: The FNTEXT parameter must be specified in the system configuration file.

LCDS to PCL is shipped with a set of fonts in the XFONTLIB library which use a setting of FNT.

Specify FNTEXT=FNT to use these fonts as they are installed. This is compatible with the font files when they are extracted from Xerox printers.

Also see: "FONTSDIR" on page 3.15.

FONTS
(MVS and Unix/Windows)

FONTS= Specifies the size of the buffer area reserved for the font list. This is similar in concept to the FONTS command on Xerox LPS printers.

Valid Values: 1 to 32768

Default: 128

Example: FONTS=nn

Where **nn** is the maximum number of fonts to be used in a report.

Notes: The FONTS parameter may be specified in any of the configuration datasets/files.

Leave this parameter at the default setting unless you have applications that exceed 128 fonts in a report.

Also see: "FORMS" on page 3.27.

FONTSDIR (Unix/Windows)

FONTSDIR= Specifies the directory that will be used to store the Xerox printer fonts.

Valid Values: FONTSDIR=path

Where **path** is a valid path.

Default: None.

Example: FONTSDIR=C:\pmpcl\fonts

FONTSDIR=/pmpcl/fonts

Notes: The FONTSDIR parameter should be specified in the system configuration file.

FONTSDIR should specify the directory that contains the customer's unique fonts, such as custom fonts and licensed font libraries. The standard fonts that are provided with LCDS should be pointed to by the FONTSPATH variable.

Also see: "FONTSPATH" on page 3.16.

FONTSPATH (Unix/Windows)

FONTSPATH= Specifies a list of subdirectories that will be used to store Xerox fonts that can be used by LCDS.

On Windows systems, subdirectory names are separated by a semicolon (;).

On Unix systems, directory names are separated by a colon (:).

Valid Values: FONTSPATH=path

Where **path** is a valid directory path.

Default: None.

Examples: FONTSPATH=C:\pmpcl\fonts1;C:\pmpcl\fonts2

FONTSPATH=/pmpcl/fonts1:/pmpclf/fonts2

Notes: The FONTSPATH parameter should be specified in the system configuration file.

Specify the FONTSPATH parameter to specify the directory where the standard fonts, plus the fonts provided with LCDS, are stored.

Also see: "FONTSDIR" on page 3.15.

FONTTABLE
(MVS and Unix/Windows)

FONTTABLE=

MVS: Specifies either the name of the DD statement or the dataset name that specifies the dataset that will be used to store font table commands for mapping XES fonts to Xerox fonts and Xerox fonts to PCL scaleable fonts.

Unix/Windows: Specifies the name of the file that will be used to store font table commands for mapping XES fonts to Xerox fonts and Xerox fonts to PCL scaleable fonts.

Valid Values:

MVS: FONTTABLE={DD:ddname|dsname|DDNAME(membername)|dsname(membername)}

Where **ddname** is a valid ddname;

dsname is a valid dataset name;

membername is a valid partitioned dataset member name.

Unix/Windows: FONTTABLE=filename

Where filename is a valid file name.

Default:

MVS: DD:FONTTAB

Unix/Windows: FONTTAB.INI

Examples:

MVS: FONTTABLE=PARMLIB(FONTTAB)

FONTTABLE=DD:FONTTAB

Unix/Windows: FONTTABLE=fonttab.tab

FONTTABLE=C:\pmpcl\config\fonttab.txt

FONTTABLE=/pmpcl/config/fonttab.txt

FONTTABLE=NULL

Notes: The FONTTABLE parameter may be specified in any of the configuration datasets/files.

Only map Xerox fonts to PCL fonts when necessary as fidelity issues may result from incompatible character dimensions and character code assignments.

FORMFONTHAIRLINE (MVS and Unix/Windows)

FORMFONTHAIRLINE= Specifies the width of the rules that should be used on the PCL printer to represent lines drawn on Xerox forms using the HAIRLINE specification.

This parameter is only used when FORMFONTTYPE=PATTERN is specified.

Valid Values: FORMFONTHAIRLINE=n

Where **n** is the width in dots (1/300 inch) of the rule.

Default: 1

Examples: FORMFONTHAIRLINE=2

Notes: The FORMFONTHAIRLINE parameter can be specified in any of the configuration datasets/files.

The default should be acceptable unless creating thicker/thinner lines on a form is required (without modifying the source form and recompiling it).

Also see: "FORMFONTTYPE" on page 3.24.

FORMFONTHEAVY (MVS and Unix/Windows)

FORMFONTHEAVY= Specifies the percentage of darkness of the shading pattern to be used on the PCL printer to represent shading patterns using the HEAVY specification in FDL.

This parameter is only used when FORMFONTTYPE=PATTERN is specified.

Valid Values: FORMFONTHEAVY=nn

Where **nn** is the percentage of darkness of the shading pattern to be used.

Default: 35

Example: FORMFONTHEAVY=26

Notes: The FORMFONTHEAVY parameter can be specified in any of the configuration datasets/files.

The default setting should be acceptable unless lighter/darker shading patterns on a form is required (without modifying the source form and recompiling it). This can be used to adjust for different imaging qualities of different print engines. It can also be used to improve legibility of text in shaded boxes, particularly when documents are faxed.

Also see: "FORMFONTTYPE" on page 3.24.

FORMFONTLIGHT (MVS and Unix/Windows)

FORMFONTLIGHT= Specifies the percentage of darkness of the shading pattern to be used on the PCL printer to represent shading patterns using the LIGHT specification in FDL.

This parameter is only used when FORMFONTTYPE=PATTERN is specified.

Valid Values: FORMFONTLIGHT=nn

Where **nn** is the percentage of darkness of the shading pattern to be used.

Default: 3

Example: FORMFONTLIGHT=2

Notes: The FORMFONTLIGHT parameter can be specified in any of the configuration datasets/files.

The default setting should be acceptable unless lighter/darker shading patterns on a form is required (without modifying the source form and recompiling it). This can be used to adjust for different imaging qualities of different print engines. It can also be used to improve legibility of text in shaded boxes, particularly when documents are faxed.

FORMFONTMEDIUM (MVS and Unix/Windows)

FORMFONTMEDIUM= Specifies the percentage of darkness of the shading pattern to be used on the PCL printer to represent shading patterns using the MEDIUM specification in FDL.

This parameter is only used when FORMFONTTYPE=PATTERN is specified.

Valid Values: FORMFONTMEDIUM=nn

Where **nn** is the percentage of darkness of the shading pattern to be used.

Default: 11

Example: FORMFONTMEDIUM=9

Notes: The FORMFONTMEDIUM parameter can be specified in any of the configuration datasets/files.

The default setting should be acceptable unless lighter/darker shading patterns on a form is required (without modifying the source form and recompiling it). This parameter can be used to adjust for different imaging qualities of different print engines. It can also be used to improve legibility of text in shaded boxes, particularly when documents are faxed.

FORMFONTSOLID1
(MVS and Unix/Windows)

FORMFONTSOLID1= Specifies the width of the rules that should be used on the PCL printer to represent lines drawn in Xerox forms using the SOLID1 specification.

This parameter is only used when FORMFONTTYPE=PATTERN is specified.

Valid Values: FORMFONTSOLID1=n

Where **n** is the width in dots (1/300 inch) of the rule.

Default: 3

Example: FORMFONTSOLID1=2

Notes: The FORMFONTSOLID1 parameter can be specified in any of the configuration datasets/files.

The default setting should be acceptable unless creating thinner or thicker lines on a form is required (without modifying the source form and recompiling it).

Also see: "FORMFONTTYPE" on page 3.24.

FORMFONTSOLID2 (MVS and Unix/Windows)

FORMFONTSOLID2= Specifies the width of the rules that should be used on the PCL printer to represent lines drawn in Xerox forms using the SOLID2 specification.

This parameter is only used when FORMFONTTYPE=PATTERN is specified.

Valid Values: FORMFONTSOLID2=n

Where **n** is the width in dots (1/300 inch) of the rule.

Default: 7

Example: FORMFONTSOLID2=2

Notes: The FORMFONTSOLID2 parameter can be specified in any of the configuration datasets/files.

The default setting should be acceptable unless thinner or thicker lines on a form is required (without modifying the source form and recompiling it).

Also see: “FORMFONTTYPE” on page 3.24.

FORMFONTTYPE
(MVS and Unix/Windows)

FORMFONTTYPE= Specifies the algorithm that will be used to represent shading patterns and rules on PCL printers.

Valid Values: FORMFONTTYPE={PATTERN|FONT}

PATTERN specifies that PCL patterns should be used.

FONT specifies that the Xerox shading/line draw font (FORMS$.FNT) should be converted to PCL font characters and downloaded to the printer.

Default: PATTERN

Example: FORMFONTTYPE=PATTERN

Notes: The FORMFONTTYPE parameter can be specified in any of the configuration datasets/files.

Specify **PATTERN** unless a particular form does not image properly.

PATTERN is more efficient than FONT in that, normally, less data is required to represent forms.

FORMLIB (MVS)

FORMLIB= Specifies either the name of the DD statement or the dataset name that specifies the partitioned dataset that will be used to store the Xerox form (.FRM) objects.

Valid Values: FORMLIB={DD:ddname|dsname}

Where **ddname** is a valid ddname and **dsname** is a valid MVS dataset name.

Default: None.

Example: FORMLIB=DD:FORMLIB

Notes: The FORMLIB parameter must be specified in the system configuration dataset.

// FORMLIB DD DSN=CTI.PCL.FORMLIB,DISP=SHR

Specify the FORMLIB of DD:FORMLIB and point the DD in the JCL to the distributed FORMLIB library.

Also see: "FORMPREFIX" on page 3.26.

FORMPREFIX (MVS)

FORMPREFIX= Specifies the prefix that is used to create a valid PDS member name from a Xerox form name. The member names are used for the Xerox forms (.FRM).

Valid Values: FORMPREFIX=xx

Where **xx** is a one or two character prefix. The first character must be alphabetic (A-Z) and the second character, if present, must be alphabetic or numeric.

Default: FRM

Examples: FORMPREFIX=FR

Notes: The FORMPREFIX parameter must be specified in the system configuration dataset.

LCDS to PCL is shipped with a set of forms in the XFONTLIB library which use a setting of FR. Specify FORMPREFIX=FR to use these forms as they are installed.

Also see: "FORMLIB" on page 3.25.

FORMS
(MVS and Unix/Windows)

FORMS= Specifies the size of the buffer area reserved for the form list. This is similar in concept to the FORMS command on Xerox LPS printers.

Valid Values: 1 to 32768

Default: 64

Example: FORMS=128

Notes: The FORMS parameter may be specified in any of the configuration datasets/files.

Leave this parameter at the default setting unless you have applications that exceed 64 forms in a report.

Also see: "FONTS" on page 3.14.

FORMSDIR (Unix/Windows)

FORMSDIR= Specifies the name of the subdirectory that will be used to store the Xerox form (.FRM) objects.

Valid Values: FORMSDIR=path

Where **path** is a valid path name.

Default: None.

Example: FORMSDIR=C:\pmpcl\forms

FORMSDIR=/pmpcl/forms

Notes: The FORMSDIR parameter should be specified in the system configuration file.

Specify the distributed FORMSDIR library and add your own forms into this directory. Alternatively, if there is a network directory where you store all of the Xerox .FRM files, specify this directory.

Also see: "FRMPATH" on page 3.30.

FRMEXT (Unix/Windows)

FRMEXT= Specifies the file extension which is used to find Xerox forms (.FRM).

Valid Values: FRMEXT=xxx

Where **xxx** is a valid file extension up to three characters in length.

Default: FRM

Example: FRMEXT=FRM

Notes: The FRMEXT parameter must be specified in the system configuration file.

LCDS to PCL is shipped with a set of forms in the FORMLIB library which use a setting of FRM. Specify FRMEXT=FRM to use these forms as they are installed.

Also see: "FORMSDIR" on page 3.28.

FRMPATH (Unix/Windows)

FRMPATH= Specifies a list of subdirectories that will be used to store the various form (.FRM) files that you may want to use with LCDS.

On Windows systems, subdirectory names are separated by a semicolon (;). On Unix systems, directory names are separated by a colon (:).

Valid Values: FRMPATH=path

Where **path** is a valid path name.

Default: None.

Example: FRMPATH=C:\pmpcl\forms1;C:\pmpcl\forms2

FRMPATH=/pmpcl/forms1:/pmpcl/forms2

Notes: The FRMPATH parameter can be specified in the system configuration file.

The FRMPATH parameter should be used if you have forms that come from different sources, such as different departments or customers.

Also see: "FORMSDIR" on page 3.28.

IMAGECVTDIR (Unix/Windows)

IMAGECVTDIR= Specifies the directory that will be used to store the converted images.

Valid Values:	IMAGECVTDIR=path Where **path** is a valid path.
Default:	None.
Example:	IMAGECVTDIR=C:\pmpcl\temp\images IMAGECVTDIR=/pmpcl/temp/images
Notes:	The IMAGECVTDIR parameter should be specified in the system configuration file. If the applications contain a lot of graphics, IMAGECVTDIR should specify a directory that has sufficient free space available for converted versions of the images.
Also see:	"IMAGECVTEXT" on page 3.32.

IMAGECVTEXT (Unix/Windows)

IMAGECVTEXT= Specifies the extension that is used with image names to create filenames for the converted “permanent” image files.

Valid Values: IMAGECVTEXT=xxx

Where **xxx** is a valid file extension with a maximum of 4 characters.

Default: PSI

Example: IMAGECVTEXT=CVI

Notes: The IMAGECVTEXT parameter can be specified in any of the configuration files.

The default setting should be sufficient.

Also see: “IMAGECVTDIR” on page 3.31.

IMAGEDIR (Unix/Windows)

IMAGEDIR= The IMAGEDIR parameter specifies the directory that will be used to store the Xerox images.

Valid Values:	IMAGEDIR=path Where **path** is a valid path.
Default:	None.
Example:	IMAGEDIR=C:\pmpcl\images IMAGEDIR=/pmpcl/images
Notes:	The IMAGEDIR parameter can be specified in any of the configuration files. IMAGEDIR should specify a directory with enough free space to contain all of the Xerox .IMG files, plus any images that are downloaded by the applications.
Also see:	"IMGPATH" on page 3.38.

IMAGETEMPDIR (Unix/Windows)

IMAGETEMPDIR= The IMAGETEMPDIR parameter specifies the directory that will be used to store PCL versions of the Xerox images that are converted dynamically and will be deleted after usage. This occurs when Xerox GRAPHICS applications in Interleaved or Batch mode are printed. See the Xerox LPS manuals for further information on these applications.

Valid Values: IMAGETEMPDIR = path

Where **path** is a valid path.

Default: None.

Example: IMAGETEMPDIR=C:\pmpcl\images\temp

IMAGETEMPDIR=/pmpcl/images/temp

Notes: The IMAGETEMPDIR parameter should be specified in the system configuration file.

If graphic images are downloaded by the applications, IMAGETEMPDIR should have enough free space to contain the largest job's images.

IMAGETEMPLIB (MVS)

IMAGETEMPLIB= Specifies either the name of the DD statement or the dataset name that specifies the partitioned dataset that will be used to store PCL versions of the Xerox images that are being converted dynamically and will be deleted after usage. This occurs when Xerox GRAPHICS applications in Interleaved or Batch mode are printed. See the Xerox LPS manuals for further information on these applications.

Valid Values: IMAGETEMPLIB= {DD:ddname|dsname|MEMFILE:}

Where **ddname** is a valid ddname and **dsname** is a valid MVS dataset name.

Default: None.

Examples:

```
IMAGETEMPLIB=DD:TEMPLIB
//TEMPLIB DD DSN=&&TEMPLIB,
DISP=(,DELETE),
//     SPACE=(TRKS,(30,20,10)),
UNIT=SYSDA
```

Notes: The IMAGETEMPLIB parameter must be specified in the system configuration dataset.

It is most efficient to specify MEMFILE: as this will be kept in memory.

Also see: "IMGCONVERTPGM" on page 3.36.

"PIMAGELIB" on page 3.64.

"PIMAGEPREFIX" on page 3.65.

IMGCONVERTPGM (MVS and Unix/Windows)

IMGCONVERTPGM= Specifies the name of the executable load module that converts images from Xerox to PCL format or that LCDS to PCL will convert the images internally.

The program specified must be available in the STEPLIB, JOBLIB or a link list library.

Valid Values: IMGCONVERTPGM={pgmname|INTERNAL}

Where **pgmname** is the name of the executable load module that converts images from Xerox to PCL format and INTERNAL specifies LCDS to PCL for MVS will dynamically convert the images internally.

INTERNAL specifies that the image conversion will be done internally by LCDS to PDF.

The program specified must be available in the STEPLIB, JOBLIB, link list library, or in the executable path.

Default: INTERNAL

Example: IMGCONVERTPGM= MYICVT

Notes: The IMGCONVERTPGM parameter must be specified in the system configuration dataset/file.

The default should be used unless otherwise directed by LRS technical support staff.

IMGEXT (Unix/Windows)

IMGEXT= Specifies the file extension that is used to create a valid file name from a Xerox image name.

Valid Values: IMGEXT=xxx

Where **xxx** is a valid file extension up to three characters in length.

Default: IMG

Example: IMGEXT=IMG

Notes: The IMGEXT parameter must be specified in the system configuration file.

Specify IMGEXT=IMG to use Xerox Image files as they are named on the printers.

Also see: "IMAGEDIR" on page 3.33.

"IMAGETEMPDIR" on page 3.34.

IMGPATH (Unix/Windows)

IMGPATH= Specifies a list of subdirectories that will be used to store the Xerox image (.IMG) files.

The names of the subdirectories should be separated by semicolons(;), and will be searched in order of appearance in this list.

Valid Values: IMGPATH=path

Where **path** is a valid path name.

Default: None.

Example: IMGPATH=C:\pmpcl\images1;C:\pmpcl\images2

IMGPATH=/pmpcl/images1:/pmpcl/images2

Notes: The IMGPATH parameter should be specified in the system configuration file.

IMGPATH will be searched in order of appearance in this list when a requested image is not found in the IMAGELIB directory.

Also see: "IMAGEDIR" on page 3.33.

INFILE
(MVS and Unix/Windows)

INFILE=

MVS: Specifies either the name of the DD statement or the dataset name that specifies the dataset that will be read, processed and converted to PCL. This dataset may contain line printer output, embedded Xerox DJDEs and/or Xerox Metacode output. The dataset can have any RECFM, LRECL and BLKSIZE, as LCDS to PCL will interpret it properly as long as it does not conflict with the Xerox JSL statements specified.

Unix/Windows: Specifies the name of the file that will be read, processed, and converted to PCL. This file may contain line printer output, embedded Xerox DJDEs and/or Xerox Metacode output. The file can have any record format, record length, and block size, as LCDS to PCL will interpret it properly as long as it does not conflict with the Xerox JSL statements specified.

Valid Values:

MVS: INFILE={DD:ddname|dsname|DDNAME(membername)|dsname(membername)}

Where **ddname** is a valid ddname; **dsname** is a valid MVS dataset name; and **membername** is a valid partitioned dataset member name.

Unix/Windows: INFILE=file_specification

Where **file_specification** is a valid file name which may include a device name and a path name.

Default: None.

Example:

MVS: INFILE=CTI.APPL.PRINT.DATA

INFILE=DD:CSSIN

INFILE=DD:SYSUT1

Unix/Windows: INFILE=C:\pmpcl\data\printfile.xrx

INFILE=/pmpcl/data/printfile.xrx

Notes: The INFILE parameter may be specified in any of the configuration datasets/files or on the program execution PARM/command line.

Specify a DDNAME in the system configuration dataset and do not override this elsewhere.

Also see: "OUTFILE" on page 3.59.

INSERTPJLCOMMANDS (MVS)

INSERTPJLCOMMANDS= Specifies that LCDS to PCL should output Printer Job Language commands.

Valid Values: INSERTPJLCOMMANDS={YES|NO}

INSERTPJLCOMMANDS=NO specifies that LCDS to PCL should not output Printer Job Language commands.

Default: NO

Example: INSERTPJLCOMMANDS=YES

Notes: The INSERTPJLCOMMANDS parameter can be specified in any of the configuration datasets.

INTRAY
(MVS and Unix/Windows)

INTRAY= Specifies the name of the tray found in the DJDE of the input dataset/file and the number used in the paper source command.

Valid Values: INTRAY=from, to

from is the name of the tray found on the DJDE line option **FEED=** of the input dataset/file.

to is the number used in the paper source command which will be used whenever a **FEED** command is encountered for the stock-ref or tray name specified in **from**.

Default: None.

Example: INTRAY=TRAY1,5

Specifies that TRAY1 will be assigned to paper source 5.

Notes: The INTRAY parameter can be specified in any of the configuration datasets/files.

If INTRAY is not specified in the configuration dataset/file and DJDE **FEED=** option is found in the input dataset/file, no paper source command will be output.

Example: **Original Data:** $DJDE FEED=COVER,END;
$DJDE FEED=PAGE1,END;
$DJDE FEED=PAGE2,END;

In this example, we will assign 1 as COVER stock, 2 as plain white paper, 3 as pre-printed stock for PAGE1, and 4 as pre-printed stock for PAGE2.

INTRAY=COVER,1
INTRAY=PAGE1,3
INTRAY=PAGE2,4

Note that PCL paper source commands vary from printer to printer.

Also see: "USEPAPERSOURCECOMMANDS" on page 3.84.

JDE
(MVS and Unix/Windows)

JDE= Specifies the name of the JDE object that will be used as a default for the application.

Valid Values: JDE=jdename

Where **jdename** is a valid 1 to 6 character label on a Xerox JDE or JOB source statement in the JSL object specified in the **JDL=** parameter.

Default: DFLT

Example: JDE=CTIJDE

The specification will be used when the default JDE object is CTIJDE.

Notes: The JDE parameter can be specified in any configuration dataset/file or on the PARM parameter of the EXEC JCL statement.

This parameter should be the same as the START command on the Xerox LPS printer for this application. If the default is used on the Xerox LPS printer then the default should also be used for **JDL=**.

Also see: "JDL" on page 3.43.

"JSLDIR" on page 3.44.

JDL
(MVS and Unix/Windows)

JDL= Specifies the name of the JSL object that will be used as a default for the application.

Valid Values: JDL=jslname

Where **jslname** is a valid 1 to 6 character name of a Xerox JSL source object.

Default: DFLT

Example: JDL=CTIJSL

The specification will be used when the default JSL object is CTIJSL.

Notes: The JDL parameter should be specified in the system configuration dataset/file.

This parameter should specify the name of the default JDL used in the START command on the Xerox LPS system.

Also see: "JDE" on page 3.42.

"JSLLIB" on page 3.46.

JSLDIR (Unix/Windows)

JSLDIR= Specifies the directory that will be used to store the Xerox JSL (.JSL) source objects.

Valid Values: JSLDIR=path

Where **path** is a valid directory path.

Default: None.

Example: JSLDIR=C:\pmpcl\jsl

JSLDIR=/pmpcl/jsl

Notes: The JSLDIR parameter should be specified in the system configuration file.

Specify the JSLDIR as a directory where all of the Xerox JSL files are stored. This parameter is synonymous with JSLLIB.

Also see: "JSLEXT" on page 3.45.

"JDL" on page 3.43.

JSLEXT (Unix/Windows)

JSLEXT= Specifies the file extension that is used to create a valid file name from a Xerox JDL name. The member names are used for the Xerox JSL source (.JSL).

Valid Values: JSLEXT=xxx

Where **xxx** is a valid file extension up to three characters in length.

Default: JSL

Example: JSLEXT=JSL

Notes: The JSLEXT parameter must be specified in the system configuration file.

LCDS to PCL is shipped with a set of JSLs in the JSLLIB library that use a setting of JSL. Specify JSLEXT=JSL to use these JSLs as they are installed.

Also see: "JSLDIR" on page 3.44.

JSLLIB (MVS)

JSLLIB= Specifies either the name of the DD statement or the dataset name that specifies the partitioned dataset that will be used to store the Xerox JSL (.JSL) source objects.

Valid Values: JSLLIB={DD:ddname|dsname}

Where **ddname** is a valid ddname and **dsname** is a valid MVS dataset name.

Default: None.

Example: JSLLIB=DD: JSLLIB

//JSLLIB DD DSN=CTI.PCL.JSLLIB, DISP=SHR

Notes: The JSLLIB parameter must be specified in the system configuration dataset in the MVS environment.

Specify the JSLLIB of DD:JSLLIB and point the DD in the JCL to the distributed JSLLIB library.

Also see: "JSLPREFIX" on page 3.48.

JSLPATH (Unix/Windows)

JSLPATH= Specifies the subdirectories that will be used to store the JSL source files.

Valid Values: JSLPATH=path

Where **path** is a list of valid path names separated by semicolons (;).

On Windows systems, subdirectory names are separated by a semicolon (;).

On Unix systems, directory names are separated by a colon (:).

Default: None.

Example: JSLPATH=C:\pmpcl\jsl1;C:\pmpcl\jsl2

JSLPATH=/pmpcl/jsl1:/pmpcl/jsl2

Notes: The JSLPATH parameter should be specified in the system configuration file.

JSLPATH is searched in sequence when a requested JSL object is needed if the required JSL file is not found in the JSLDIR subdirectories. The JSL files provided with LCDS must be in one of these subdirectories.

Also see: "JSLDIR" on page 3.44.

JSLPREFIX (MVS)

JSLPREFIX= Specifies the prefix which is used to create a valid PDS member name from a Xerox JSL name. Member names are used for the Xerox JSL source (.JSL).

Valid Values: JSLPREFIX=xx

Where **xx** is a one or two character prefix. The first character must be alphabetic (A-Z) and the second character, if present, must be alphabetic or numeric.

Default: JSL

Example: JSLPREFIX=JJ

Notes: The JSLEXT parameter must be specified in the system configuration dataset in the MVS environment.

LCDS to PCL is shipped with a set of JSLs in the JSLLIB library which use a setting of JS. Specify JSLPREFIX=JS to use these JSL members as they are installed.

Also see: "JSLLIB" on page 3.46.

KEYXPCL (MVS)

KEYXPCL= Specifies the trial/license code for the LCDS to PCL products. This keyword MUST be present to use the LCDS to PCL products.

Valid Values: 60 characters. This key is supplied by LRS and identifies the CPU serial number on which the product is licensed. This key is supplied in file 8 of the VPS distribution cartridge (LRS.VPS.V1R80.CNTL). The key is in the following format:

Byte	Description
1	**T** - trap key or **L** - license key
2-4	Machine manufacturer (e.g. IBM)
5-8	Machine type (e.g. 2003)
9-13	CPU serial number
14-60	Encrypted customer id, CPU serial number, expiration date, number of printers, etc.

Note that the product keys must be entered exactly as supplied by LRS. Modified product keys are considered invalid and will prevent the product from being used. Also, please note that if activation of a printer would exceed the maximum number allowed per the product key, the activation will fail and message VPS603N will be issued.

Default: None.

LEFTPCLOFFSET (MVS and Unix/Windows)

LEFTPCLOFFSET= Specifies the distance that PCL pages should be offset on the page to emulate the Xerox print pages. This parameter is required since Xerox printers print edge to edge, whereas most PCL printers do not print in the areas close to the edge of the paper.

This parameter setting allows the PCL printer to address (but not print in) the portion of the page on the left. This parameter allows page positioning to be the same on both printers, relative to the edge of the paper.

Valid Values: LEFTPCLOFFSET=nnn

Where **nnn** is the width in dots (1/720 inch).

Default: 0

Example: LEFTPCLOFFSET=-150

Notes: The LEFTPCLOFFSET parameter can be specified in any of the configuration datasets/files.

The default setting should be acceptable on most PCL printers. If you have a PCL printer with an unusual printable area, then you may want to use this parameter to shift the page.

Also see: "TOPPCLOFFSET" on page 3.81.

LGOCVTDIR (Unix/Windows)

LGOCVTDIR= Specifies the directory that will be used to store the converted logos.

Valid Values: LGOCVTDIR = path

Where **path** is a valid path name.

Default: None.

Example: FNTCVDIR=C:\pmpcl\temp\logos

FNTCVDIR=/pmpcl/temp/logos

Notes: The LGOCVTDIR parameter can be specified in the system configuration file.

LGOCVTDIR should specify a directory where PCL fonts can be stored.

Also see: "LGOCVTEXT" on page 3.52.

LGOCVTEXT (Unix/Windows)

LGOCVTEXT= Specifies the file extension that is used to create a valid file name from a Xerox font name. The member names are used for the converted (PCL) versions of Xerox fonts.

Valid Values: LGOCVTEXT = xxx

Where **xxx** is a valid file extension up to 3 characters in length.

Default: PCF

Example: LGOCVTEXT =PCM

Notes: The LGOCVTEXT parameter must be specified in the system configuration file.

LCDS to PCL is shipped with a set of converted fonts in the PFONTLIB library that use a setting of PCM. It is recommended to use this setting for these fonts. As long as FNTCVTEXT is different from the LGOCVTEXT, converted logos and fonts can share the same library.

Also see: "LGODIR" on page 3.53.

LGODIR (Unix/Windows)

LGODIR= Specifies the main directory that will be used to search for Xerox logo (.LGO) files when they are called in Xerox forms.

Valid Values: LGODIR=path

Where **path** is a valid path.

Default: None.

Example: LGODIR= c:\pmpcl\logos

LGODIR=/pmpcl/logos

Notes: The LGODIR parameter can be specified in any of the configuration files.

LGODIR should be used to store your main Xerox Logo (.LGO) files.

Also see: "LGOPATH" on page 3.55.

LGOEXT (Unix/Windows)

LGOEXT= Specifies the extension which is used to create a valid file name from a Xerox font name. The member names are used for the Xerox logo files.

Valid Values: LGOEXT = xxx

Where **xxx** is a valid file extension up to 3 characters in length.

Default: LGO

Example: LGOEXT=LGO

Notes: The LGOEXT parameter must be specified in the system configuration file.

LCDS to PCL is shipped with a set of fonts in the XFONTLIB library that use a setting of LGO. Specify LGOEXT=LGO to use these fonts as they are installed.

Also see: "LGODIR" on page 3.53.

LGOPATH (Unix/Windows)

LGOPATH= Specifies the subdirectories that will be used to search for Xerox logo (.LGO) files when they are referenced in Xerox forms.

On Windows systems, subdirectory names are separated by a semicolon (;).

On Unix systems, directory names are separated by a colon (:).

Valid Values: LGOPATH=path1[;path2] …

Where **path1** and **path2** are valid path names separated by a semicolon (;).

Default: None.

Example: LGOPATH=C:\pmpcl\logos1;C:\pmpcl\logos2

LGOPATH=/pmpcl/logos1:/pmpcl/logos2

Notes: The LGOPATH parameter should be specified in the system configuration file.

Set LGOPATH to a set of subdirectories that contain all of the Xerox logos so the logo will be available when an application calls for one.

Also see: "LGODIR" on page 3.53.

OFFSETDOTS
(MVS and Unix/Windows)

OFFSETDOTS= Specifies the distance that Xerox metacode pages are offset in the Xerox dot address direction.

Valid Values: OFFSETDOTS=nnn

Where **nnn** is the width in dots (1/300 inch).

Default:

MVS: 9999

Unix/Windows: The default is dependent on the size of the paper being used.

Example: OFFSETDOTS=101

Notes: The OFFSETDOTS parameter can be specified in any of the configuration datasets/files.

The default should be acceptable for all applications. Do not change this setting unless directed to do so by LRS technical support staff.

Also see: "OFFSETSCANS" on page 3.57.

OFFSETSCANS (MVS and Unix/Windows)

OFFSETSCANS= Specifies the distance that Xerox metacode pages are offset in the Xerox scan direction.

Valid Values: OFFSETSCANS=nnn

Where **nnn** is the width in dots (1/300 inch).

Default:

MVS: 9999

Unix/Windows: The default is dependent on the size of the paper being used.

Example: OFFSETSCANS =101

Notes: The OFFSETDOTS parameter can be specified in any of the configuration datasets/files.

The default should be acceptable for all applications. Do not change this setting unless directed to do so by LRS technical support staff.

Also see: "OFFSETDOTS" on page 3.56.

OPTIMIZEFONTS (MVS and Unix/Windows)

OPTIMIZEFONTS= Specifies the algorithm that should be used by LCDS to PCL when it is downloading fonts to the PCL printer.

Valid Values: OPTIMIZEFONTS={NONE|PAGE}

If **NONE** is specified, then all fonts used in the application will be downloaded at the beginning of the output dataset/file.

If **PAGE** is specified, then only the used characters in the used fonts are downloaded to the PCL printer.

Default: NONE

Examples: OPTIMIZEFONTS=PAGE

Notes: The OPTIMIZEFONTS parameter can be specified in any of the configuration datasets/files.

The default setting should be acceptable for most applications.

Using OPTIMIZEFONT=PAGE will reduce the size of the output datasets/files which in turn will reduce network traffic and speed up printing of applications which use a lot of fonts.

Use this parameter to optimize print applications that use a lot of fonts and logos.

Also see: "FONTTABLE" on page 3.17.

OUTFILE
(MVS and Unix/Windows)

OUTFILE=

MVS: Specifies either the name of the DD statement or the dataset name that specifies the dataset the output PCL commands will be written to. On completion, the contents of this dataset will be ASCII PCL commands ready to be sent to the printer.

Unix/Windows: Specifies the file name that the output PCL commands will be written to. On completion, the contents of this file will be ASCII PCL commands ready to be sent to the printer.

Valid Values:

MVS: OUTFILE={DD:ddname|dsname|DDNAME(membername)|dsname(membername)}

Where **ddname** is a valid ddname;

dsname is a valid MVS dataset name;

membername is a valid partitioned dataset member name.

Unix/Windows: OUTFILE= file_specification

Where **file_specification** is a valid file name which may include a device name and a path name.

Default: None.

Examples:

MVS: OUTFILE=CTI.APPL.PRINT.PCL

OUTFILE=DD:CSS03

OUTFILE=DD:SYSUT2

Unix/Windows: OUTFILE =C:\pmpcl\output\print.pcl

OUTFILE =/pmpcl/output/print.pcl

Notes:

MVS: The OUTFILE parameter may be specified in any of the configuration datasets or on the program execution PARM.

It is recommended to specify a DDNAME in your system configuration dataset and do not override this elsewhere.

Unix/Windows: The OUTFILE parameter may be specified in any of the configuration files or on the command line.

Also see: "INFILE" on page 3.39.

PAPERSIZE
(MVS and Unix/Windows)

PAPERSIZE= Specifies the default paper size to be used.

Valid Values: PAPERSIZE={LETTER|LEGAL|A4}

Default: LETTER

Example: PAPERSIZE=A4

Notes: The PAPERSIZE parameter can be specified in any of the configuration datasets/files or on the program execution PARM/command line.

If the default paper size for the Xerox printer is anything other than USLETTER, then place the appropriate PAPERSIZE parameter in the system configuration dataset/file.

This is of particular interest outside North America where Xerox printers are often SYSGENed with a default paper size of A4.

PCLFORMMACROS (Unix/Windows)

PCLFORMMACROS= Specifies the algorithm that should be used by LCDS to PCL when downloading forms to the PCL printer.

Valid Values: PCLFORMMACROS={YES|NO}

If **NO** is specified, then any forms used in the application are sent in each page of the report.

If **YES** is specified, then forms are downloaded as PCL macros the first time they are used in the report, and then executed on each page they are used.

Default: YES

Example: PCLFORMMACROS=NO

Notes: The PCLFORMMACROS parameter can be specified in any of the configuration files.

The default setting should be acceptable for most applications.

Using PCLFORMMACROS=NO will increase the size of the output files which, in turn, will increase network traffic and slow down printing of applications that use a lot of forms.

Only use this parameter if there is a need to capture the PCL version of a form. Otherwise the default setting should be acceptable.

PFONTLIB (MVS)

PFONTLIB= Specifies either the name of the DD statement or the dataset name that specifies the partitioned dataset that will be used to store PCL versions of the Xerox fonts that have been converted or are being converted dynamically.

Valid Values: PFONTLIB={DD:ddname|dsname}

Where **ddname** is a valid ddname and **dsname** is a valid MVS dataset name.

Default: None.

Example: PFONTLIB=DD:PFONTLIB

//PFONTLIB DD DSN=CTI.PCL.PFONTLIB, DISP=SHR

Notes: The PFONTLIB parameter must be specified in the system configuration dataset in the MVS environment.

It is most efficient to specify the ddname of a dd statement that points to a permanent dataset that contains all converted fonts.

Also see: "FNTCONVERTPGM" on page 3.10.

PFONTPREFIX (MVS)

PFONTPREFIX= Specifies the prefix that is used to create a valid PDS member name from a Xerox font name. The member names are used for the converted (PCL) versions of Xerox fonts.

Valid Values: PFONTPREFIX=xx

Where **xx** is a one or two character prefix. The first character must be alphabetic (A-Z) and the second character, if present, must be alphabetic or numeric.

Default: PCF

Example: PFONTPREFIX=F9

Notes: The PFONTPREFIX parameter must be specified in the system configuration dataset in the MVS environment.

LCDS to PCL is shipped with a set of converted fonts in the PFONTLIB library that use a setting of FP. It is recommended to use this setting for these fonts.

Also see: "PFONTLIB" on page 3.62.

PIMAGELIB (MVS)

PIMAGELIB= Specifies either the name of the DD statement or the dataset name that specifies the partitioned dataset that will be used to store PCL versions of the Xerox images that have been converted or are being converted dynamically and are to be kept for future use.

Valid Values: PIMAGELIB={DD:ddname|dsname}

Where **ddname** is a valid ddname and **dsname** is a valid MVS dataset name.

Default: None.

Example: PIMAGELIB=DD: PIMGLIB

// PIMGLIB DD DSN=CTI.PCL.PIMGLIB, DISP=SHR

Notes: The PIMAGELIB parameter must be specified in the system configuration dataset in the MVS environment.

It is most efficient to specify the ddname of a dd statement that points to a permanent dataset that contains all converted images that are to be kept.

Also see: "IMGCONVERTPGM" on page 3.36.

"PIMAGEPREFIX" on page 3.65.

PIMAGEPREFIX (MVS)

PIMAGEPREFIX= Specifies the prefix which is used to create a valid PDS member name from a Xerox image name. The member names are used for the converted (PCL) versions of Xerox images.

Valid Values: PIMAGEPREFIX=xx

Where **xx** is a one or two character prefix. The first character must be alphabetic (A-Z) and the second character, if present, must be alphabetic or numeric.

Default: None.

Example: PIMAGEPREFIX=I9

Notes: The PIMAGEPREFIX parameter must be specified in the system configuration dataset in the MVS environment.

LCDS to PCL is shipped with a set of converted images in the PIMGLIB library which use a setting of IM. It is recommended to use this setting for these images.

Also see: "IMAGETEMPLIB" on page 3.35.

"PIMAGELIB" on page 3.64.

PLGOLIB (MVS)

PLGOLIB= Specifies either the name of the DD statement or the dataset name that specifies the partitioned dataset that will be used to store PCL versions of the Xerox fonts that have been converted or are being converted dynamically.

Valid Values: PLGOLIB={DD:ddname|dsname}

Where **ddname** is a valid ddname and **dsname** is a valid MVS dataset name.

Default: None.

Example: PLGOLIB=DD:PFONTLIB

//PLGOLIB DD DSN=CTI.PCL.PFONTLIB, DISP=SHR

Notes: The PLGOLIB parameter must be specified in the system configuration dataset in the MVS environment.

It is most efficient to specify the ddname of a dd statement that points to a permanent dataset that contains all converted fonts. As long as the PFONTPREFIX is different from the PLGOPREFIX converted logos and fonts can share the same library.

Also see: "FNTCONVERTPGM" on page 3.10.

"PLGOPREFIX" on page 3.67.

PLGOPREFIX (MVS)

PLGOPREFIX= Specifies the prefix that is used to create a valid PDS member name from a Xerox font name. The member names are used for the converted (PCL) versions of Xerox fonts.

Valid Values: PLGOPREFIX= xx

Where **xx** is a one or two character prefix. The first character must be alphabetic (A-Z) and the second character, if present, must be alphabetic or numeric.

Default: None.

Example: PLGOPREFIX=LL

Notes: The PLGOPREFIX parameter must be specified in the system configuration dataset in the MVS environment.

LCDS to PCL is shipped with a set of converted fonts in the PFONTLIB library which use a setting of LP. It is recommended to use this setting for these fonts. As long as the PFONTPREFIX is different from the PLGOPREFIX converted logos and fonts can share the same library.

Also see: "PLGOLIB" on page 3.66.

PRINTERMODEL
(MVS and Unix/Windows)

PRINTERMODEL= Specifies the default printer model used for special printer capabilities.

Valid Values: PRINTERMODEL= xxxxxxxxx

Where **xxxxxxxxx** is the model of the output printer.

Default: HPLJIIID

Example: PRINTERMODEL=HPLJ9000

Notes: The PRINTERMODEL parameter can be specified in any configuration dataset/file or on the command line.

RECDELIM
(MVS and Unix/Windows)

RECDELIM= Specifies the format of the INFILE dataset/file. It is used primarily for processing datasets/files which have been transferred between systems and have had line end characters inserted into the data.

Valid Values: RECDELIM={NO_NL|FIXED|NL|CR|LF|CRLF |BDWRDW|RDW|NONE}

CRLF indicates that an ASCII carriage return and line feed have been appended to each line of print data.

CR indicates that an ASCII carriage return has been appended to each line of print data.

LF indicates that an ASCII line feed has been appended to each line of print data.

NL indicates that an ASCII new line character has been appended to each line of print data.

BDWRDW indicates that an additional Record Descriptor Word has been prefixed in front of each line of print data and a Block Descriptor Word precedes each block of data. This is not required on MVS for standard variable blocked datasets, however if a RECFM=U dataset contains BDW and RDW fields, then this is required.

FIXED indicates that the print data is formatted as per the DCB information associated with the INFILE dataset.

NO_NL indicates that the print data is formatted as per the DCB information associated with the INFILE dataset.

NONE indicates that the print data dataset is exactly as specified in the Xerox JSL.

Default: FIXED

Example: RECDELIM=FIXED

Notes: The RECDELIM parameter can be specified in any of the configuration datasets/files.

The default setting should be acceptable for most applications.

Also see: "INFILE" on page 3.39.

RPMF (MVS)

RPMF= Specifies that the Xerox Remote Print Management Facility (RPMF) product is to be replaced. This causes LCDS to PCL to emulate the Print Management Utility (PMU) program in RPMF. This means that instead of getting all of the print environment from the default JSL before processing, the RPMF configuration and options datasets are to be read and processed prior to reading the INFILE dataset.

Valid Values: RPMF={YES|NO}

Default: NO

Example: RPMF=YES

Notes: The RPMF parameter can be specified in any of the configuration datasets.

This parameter should only be used when LCDS to PCL will be replacing RPMF.

Also see: "RPMFCONFIGFILE" on page 3.71.

"RPMFOPTIONFILE" on page 3.72.

RPMFCONFIGFILE (MVS)

RPMFCONFIGFILE= Specifies either the name of the DD statement or the dataset name that specifies the dataset containing the RPMF configuration dataset information.

This parameter is only used if RPMF=YES is also specified.

Valid Values: RPMFCONFIGFILE={DD:ddname|dsname |DDNAME(membername)| dsname(membername)}

Where **ddname** is a valid ddname; **dsname** is a valid MVS dataset name; and **membername** is a valid partitioned dataset member name.

Default: None.

Example: RPMFCONFIGFILE=DD:FT03F001

The example reads the RPMF configuration dataset using the same JCL as the PMU utility does.

Notes: The RPMFCONFIGFILE parameter can be specified in any of the configuration datasets.

This parameter should only be used when LCDS to PCL will be replacing RPMF.

Also see: "RPMF" on page 3.70.

"RPMFOPTIONFILE" on page 3.72.

RPMFOPTIONFILE (MVS)

RPMFOPTIONFILE= Specifies either the name of the DD statement or the dataset name that specifies the dataset containing the RPMF option dataset information.

This parameter is only used if RPMF=YES is also specified.

Valid Values: RPMFOPTIONFILE={DD:ddname|dsname|DDNAME(membername)|dsname(membername)}

Where **ddname** is a valid ddname; **dsname** is a valid MVS dataset name; and **membername** is a valid partitioned dataset member name.

Default: None.

Example: RPMFCONFIGFILE=DD:FT05F001

The example reads the RPMF options dataset using the same JCL as the PMU utility.

Notes: The RPMFOPTIONFILE parameter can be specified in any of the configuration datasets.

This parameter should only be used when LCDS to PCL will be replacing RPMF.

Also see: "RPMF" on page 3.70.

"RPMFCONFIGFILE" on page 3.71.

SAVECVTIMAGES (MVS and Unix/Windows)

SAVECVTIMAGES=

SAVECVTIMAGES=1 specifies that LCDS to PCL should save the converted images after Xerox images (.IMG datasets) have been converted to PCL images. The converted images will be saved in the library specified in the **PIMGLIB** parameter.

SAVECVTIMAGES=0 specifies that converted images are to be stored in the temporary library specified in the parameter **IMAGETEMPLIB**.

Valid Values: SAVECVTIMAGES={0|1}

Default: 1

Example: SAVECVTIMAGES=1

Notes: The SAVECVTIMAGES parameter can be specified in any of the configuration datasets/files.

This parameter should be used when managing complex image applications.

Also see: “IMAGETEMPLIB” on page 3.35.

“IMAGECVTDIR” on page 3.31.

“IMGEXT” on page 3.37.

STATISTICSFILE (MVS and Unix/Windows)

STATISTICSFILE=

MVS: Specifies either the name of the DD statement or the dataset name that specifies the dataset where LCDS to PCL will write statistics at the completion of a job.

Unix/Windows: Specifies the name of the file where LCDS to PCL will write statistics at the completion of a job.

This parameter is only used if the **STATS** parameter is specified as something other than STATS=NONE.

Valid Values:

MVS: STATISTICSFILE={DD: ddname| dsname| DDNAME(membername)| dsname(membername)}

Where **ddname** is a valid ddname; **dsname** is a valid MVS dataset name; and **membername** is a valid partitioned dataset member name.

Unix/Windows: STATISTICSFILE= filename

Where **filename** is a valid file name.

Default: None.

Example:

MVS: STATISTICSFILE= DD:STATSOUT

Unix/Windows: STATISTICSFILE= C:\pmpcl\output\ pclstats.log

STATISTICSFILE= /pmpcl/output/pclstats.log

Notes: The STATISTICSFILE parameter can be specified in any of the configuration datasets/files.

For statistics or resource maps, specify STATS=DETAIL.

Always include STATISTICSFILE in the system configuration dataset/file and a corresponding DD statement in the JCL procedure used for LCDS to PCL (i.e. STATISTICSFILE=DD:STATSOUT //STATSOUT DD SYSOUT=*).

Also see: "STATS" on page 3.75.

STATS
(MVS and Unix/Windows)

STATS= Specifies the level of statistics to be written to the dataset/file specified by the STATISTICSFILE parameter.

Valid Values: STATS={NONE |DETAIL|SUMMARY}

If **NONE** is specified, then no statistics are recorded.

If **DETAIL** is specified, then detailed statistics are recorded and resource usage maps are provided.

If **SUMMARY** is specified, then minimal levels of summary statistics are recorded.

Default: NONE

Example: STATS=DETAIL

Notes: The **STATS** parameter can be specified in any of the configuration datasets/files.

For statistics or resource maps, specify STATS=DETAIL.

Always include STATISTICSFILE in the system configuration dataset/file and a corresponding DD statement in the JCL procedure used for LCDS for PCL (i.e. STATISTICSFILE=DD:STATSOUT)

//STATSOUT DD SYSOUT=*

Also see: "STATISTICSFILE" on page 3.74.

SYMBOLSETEXT (Unix/Windows)

SYMBOLSETEXT= Specifies the file extension that is used to find SYMBOLSETs.

Valid Values: SYMBOLSETEXT=xxx

Where **xxx** is a valid file extension up to three characters in length.

Default: None.

Example: SYMBOLSETEXT=TXT

Notes: The SYMBOLSETEXT parameter must be specified in the system configuration file.

LCDS to PCL is shipped with a set of SYMBOLSETs in the SYMBOLS library that use a setting of TXT. Other UNICODE tables are available from various vendors and organizations. Normally, they are in files that use the extension TXT. To use these files as installed, specify SYMBOLSETEXT=TXT.

Also see: "SYMBOLSETLIB" on page 3.77.

SYMBOLSETLIB (Unix/Windows)

SYMBOLSETLIB= Specifies the name of the directory that will be used to store the SYMBOLSET objects and Unicode tables.

Valid Values: SYMBOLSETLIB =path

Where **path** is a valid path name.

Default: None.

Example: SYMBOLSETLIB =d:\pmpcl\symbols

SYMBOLSETLIB =/pmpcl/symbols

Notes: The SYMBOLSETLIB parameter must be specified in the system configuration file.

Specify the distributed SYMBOLS library.

Also see: "SYMBOLSETEXT" on page 3.76.

SYSCATBACKUP
(MVS and Unix/Windows)

SYSCATBACKUP= Specifies the dataset/file name where the system catalog will be saved before the system catalog is rewritten at the end of the job.

This parameter is only used if SYSCATUPDATE=YES is also specified.

Valid Values:	**MVS:**	SYSCATBACKUP=dsname Where **dsname** is a valid MVS dataset name.
	Unix/Windows:	SYSCATBACKUP =filename Where **filename** is a valid file name.
Default:	**MVS:**	None.
	Unix/Windows:	SYSCATLG.BAK
Example:	**MVS:**	SYSCATBACKUP= DD:SYSCATLGBAK
	Unix/Windows:	SYSCATBACKUP=YES

Notes: The SYSCATBACKUP parameter can be specified in any of the configuration datasets/files.

The default setting should be acceptable for most applications. To update the LCDS to PCL system catalog dynamically, keep in mind that DELETE and RENAME operations are used on the dataset/file to maintain the backup.

The user running the LCDS to PCL job will need to have sufficient security rights to the LCDS to PCL system catalog to perform these operations.

Also see: "SYSCATLG" on page 3.79.

"SYSCATUPDATE" on page 3.80.

SYSCATLG
(MVS and Unix/Windows)

SYSCATLG= **MVS:** Specifies either the name of the DD statement or the dataset name that specifies the dataset where the LCDS to PCL system catalog is stored.

This parameter is only used if SYSCATUPDATE=YES is also specified.

Unix/Windows: Specifies the name of the file where the LCDS to PCL system catalog is stored.

Valid Values:

MVS: SYSCATLG={DD:ddname|dsname |DDNAME(membername)|dsname (membername)}

Where **ddname** is a valid ddname;

dsname is a valid MVS dataset name;

membername is a valid partitioned dataset member name.

Unix/Windows: SYSCATLG = filename

Where **filename** is a valid file name.

Default:

MVS: None.

Unix/Windows: SYSCATLG.TAB

Example:

MVS: SYSCATLG=DD:SYSCATLG

Unix/Windows: SYSCATLG=c:\pmpcl\syscatlg.tab

SYSCATLG=/pmpcl/syscatlg.tab

Notes:

MVS: Specify a DDNAME to access the system catalog.

The user running the LCDS to PCL job will need to have sufficient security rights to read from the LCDS to PCL system catalog dataset/file.

A SYSCATLG dataset is required if the application JSL and DJDE records refer to “external” Xerox resources such as external PDE’s, external CME’s, etc.

Also see:

“SYSCATBACKUP” on page 3.78.

“SYSCATUPDATE” on page 3.80.

SYSCATUPDATE (MVS and Unix/Windows)

SYSCATUPDATE= Specifies that LCDS to PCL should update the LCDS to PCL system catalog as it processes Xerox objects.

Valid Values: Yes or No

Default: No

Example: SYSCATUPDATE=YES

Notes: The SYSCATUPDATE parameter can be specified in any of the configuration datasets/files.

The default should be acceptable for most applications.

Also see: "SYSCATBACKUP" on page 3.78.

"SYSCATLG" on page 3.79.

TOPPCLOFFSET
(MVS and Unix/Windows)

TOPPCLOFFSET= Specifies the distance that PCL pages should be offset from the top of the page to emulate the Xerox print pages. This parameter is required since Xerox printers print edge to edge, whereas most PCL printers do not print in the areas close to the edge of the paper. This parameter setting allows the PCL printer to address (but not print in) the portion of the page on the top. This allows page positioning to be the same on both printers relative to the edge of the paper.

Valid Values: TOPPCLOFFSET=nnn

Where **nnn** is the width in dots (1/720 inch).

Default: 0

Example: TOPPCLOFFSET=-150

Notes: The TOPPCLOFFSET parameter can be specified in any of the configuration datasets/files.

The default setting should be acceptable on most PCL printers. If using a PCL printer with an unusual printable area, then use this parameter to shift the page.

This parameter can also be used to shift images to fit them within pre-printed form stock.

Also see: "LEFTPCLOFFSET" on page 3.50.

USECONVERTEDFONTS (Unix/Windows)

USECONVERTEDFONTS= USECONVERTEDFONTS=YES specifies that LCDS to PCL should use the converted fonts, if they exist, when converting reports. The converted fonts are those saved in the library specified in the FNTCVTDIR parameter.

USECONVERTEDFONTS=NO specifies that LCDS to PCL should always convert the Xerox fonts into PCL fonts.

Valid Values: USECONVERTEDFONTS={YES|NO}

Default: YES

Example: USECONVERTEDFONTS=NO

Notes: The USECONVERTEDFONTS parameter can be specified in any of the configuration files.

The default setting should be acceptable in most environments.

This parameter should be set to NO when applications download different fonts with duplicate names. This happens with programs such as the Prism Print Manager product.

Also see: "FNTCVTDIR" on page 3.11.

"FNTCVTEXT" on page 3.12.

"SAVECVTIMAGES" on page 3.73.

USECONVERTEDIMAGES (MVS and Unix/Windows)

USECONVERTEDIMAGES= Specifies how LCDS to PCL should process images.

Valid Values: YES|NO

USECONVERTEDIMAGES=YES specifies that LCDS to PCL should use the converted images when converting reports. The converted images are those saved in the library specified in the PIMGLIB parameter.

USECONVERTEDIMAGES=NO specifies that LCDS to PCL should always convert the Xerox IMGs into PCL images.

Default: YES

Example: USECONVERTEDIMAGES=YES

Notes: The USECONVERTEDIMAGES parameter can be specified in any of the configuration datasets/files.

This parameter should be used when managing complex image applications. The default setting should be acceptable in most environments.

Also see: "IMAGECVTDIR" on page 3.31.

"IMAGECVTEXT" on page 3.32.

"SAVECVTIMAGES" on page 3.73.

USEPAPERSOURCECOMMANDS (MVS and Unix/Windows)

USEPAPERSOURCECOMMANDS= Specifies if LCDS to PCL should add paper source selection capability.

Valid Values: YES|NO

USEPAPERSOURCECOMMANDS=YES specifies that LCDS to PCL should add paper source selection capability.

USEPAPERSOURCECOMMANDS=NO specifies that LCDS to PCL should not add paper source selection capability.

Default: NO

Example: USEPAPERSOURCECOMMANDS=YES

Notes: The USEPAPERSOURCECOMMANDS parameter can be specified in any of the configuration datasets/files.

If the user needs to map Xerox LPS paper trays to a PCL printer's specific trays for handling letterhead and special forms, then this parameters should be set to YES.

Also see: "INTRAY" on page 3.41.

VPS
(MVS)

VPS= Specifies that the VPS product from Levi, Ray & Shoup is being used to route the output from LCDS to PCL to the PCL printers.

Valid Values: YES|NO|TCP

If **VPS=YES** is specified, LCDS to PCL inserts the SCS transparency command (X'35'), known as TRN, into each print record that is created. This transparency command works with VPS and VPS/PC to allow the ASCII PCL commands and data to be sent from the host to a LAN attached printer without any translation from EBCDIC to ASCII.

VPS=TCP suppresses the addition of the TRN command, but breaks the output up into records which can be managed by VPS (or equivalent) in a TCP/IP environment.

Default: NO

Example: VPS=TCP

Notes: The VPS parameter can be specified in any of the configuration datasets.

This parameter should be used when LCDS to PCL will be outputting to the JES spool for further processing by VPS or equivalent. For further assistance or clarification, contact LRS technical support staff.

XFONTLIB (MVS)

XFONTLIB= Specifies either the name of the DD statement or the dataset name that specifies the partitioned dataset that will be used to store Xerox fonts (.FNT) datasets.

Valid Values: XFONTLIB={DD:ddname|dsname}

Where **ddname** is a valid ddname and **dsname** is a valid MVS dataset name.

Default: None.

Example: XFONTLIB=DD:XFONTLIB

//XFONTLIB DD DSN=CTI.PCL.XFONTLIB, DISP=SHR

Notes: The XFONTLIB parameter must be specified in the system configuration dataset in the MVS environment.

Specify the XFONTLIB of DD:XFONTLIB and point the DD in the JCL to the distributed XFONTLIB library.

Also see: "XFONTPREFIX" on page 3.87.

XFONTPREFIX (MVS)

XFONTPREFIX= Specifies the prefix that is used to create a valid PDS member name from a Xerox font name. Member names are used for Xerox fonts.

Valid Values: XFONTPREFIX=xx

Where **xx** is a one or two character prefix. The first character must be alphabetic (A-Z) and the second character, if present, must be alphabetic or numeric.

Default: None.

Example: XFONTPREFIX=FN

Notes: The XFONTPREFIX parameter must be specified in the system configuration dataset in the MVS environment.

LCDS to PCL is shipped with a set of fonts in the XFONTLIB library which use a setting of FN. Specify XFONTPREFIX=FN to use these fonts as they are installed.

Also see: "XFONTLIB" on page 3.86.

XIMGLIB (MVS)

XIMGLIB= Specifies either the name of the DD statement or the dataset name that specifies the partitioned dataset that will be used to store the Xerox image (.IMG) objects.

Valid Values: XIMGLIB={DD:ddname|dsname}

Where **ddname** is a valid ddname and **dsname** is a valid MVS dataset name.

Default: None.

Example: XIMGLIB=DD: XIMGLIB

// XIMGLIB DD DSN=CTI.PCL.XIMGLIB,DISP=SHR

Notes: The XIMGLIB parameter must be specified in the system configuration dataset in the MVS environment.

Specify the XIMGLIB of DD:XIMGLIB and point the DD in the JCL to the distributed XIMGLIB library.

If IMG datasets are heavily used on the system, you may want to increase the allocation size of the library during or after the installation of the software.

Also see: "XIMGPREFIX" on page 3.89.

XIMGPREFIX (MVS)

XIMGPREFIX= Specifies the prefix which is used to create a valid PDS member name from a Xerox image name. The member names are used for the Xerox images (.IMG).

Valid Values: XIMGPREFIX=xx

Where **xx** is a one or two character prefix. The first character must be alphabetic (A-Z) and the second character, if present, must be alphabetic or numeric.

Default: None.

Example: XIMGPREFIX=I9

Notes: The XIMGPREFIX parameter must be specified in the system configuration dataset in the MVS environment.

LCDS to PCL is shipped with a set of images in the XIMGLIB library which use a setting of IM. Specify XIMGPREFIX=IM to use these images as they are installed.

Also see: "XIMGLIB" on page 3.88.

XLGOLIB (MVS)

XLGOLIB= Specifies either the name of the DD statement or the dataset name that specifies the partitioned dataset that will be used to store the Xerox logo (.LGO) datasets.

Valid Values: XLGOLIB={DD:ddname|dsname}

Where **ddname** is a valid ddname and **dsname** is a valid MVS dataset name.

Default: None.

Example: XLGOLIB=DD:XFONTLIB

//XFONTLIB DD DSN=CTI.PCL.XFONTLIB,DISP=SHR

Notes: The XLGOLIB parameter must be specified in the system configuration dataset in the MVS environment.

Specify the XLGOLIB of DD:XFONTLIB and point the DD in the JCL to the distributed XFONTLIB library. As long as the XFONTPREFIX is different from the XLGOPREFIX, converted logos and fonts can share the same library.

Also see: "XLGOPREFIX" on page 3.91.

XLGOPREFIX (MVS)

XLGOPREFIX= Specifies the prefix that is used to create a valid PDS member name from a Xerox font name. Member names are used for the Xerox fonts.

Valid Values: XLGOPREFIX=xx

Where **xx** is a one or two character prefix. The first character must be alphabetic (A-Z) and the second character, if present, must be alphabetic or numeric.

Default: None.

Example: XLGOPREFIX=LG

Notes: The XLGOPREFIX parameter must be specified in the system configuration dataset in the MVS environment.

LCDS to PCL is shipped with a set of fonts in the XFONTLIB library which use a setting of LG. Specify XLGOPREFIX=LG to use these fonts as they are installed. As long as the XFONTPREFIX is different from the XLGOPREFIX, converted logos and fonts can share the same library.

Also see: "XLGOLIB" on page 3.90.

Section 4
Messages

LCDS to PCL Messages

The LCDS to PCL message section provides reference information about the various warning and error messages generated in the program. It also provides information to assist the user in determining why messages appear and the appropriate action to take.

The format of the messages which are issued are as follows:

ProgNameNumberSeverityCode Message text

Where:

ProgName is the name of the application program issuing the message.

Number is the message number for the message. This manual is organized by these message numbers.

SeverityCode is a single letter which denotes the relative severity of the message. This code will always be one of the following:

I - Informational message.

W - Warning message. Application continued process, however the output may be in error.

E - Error occurred. Premature application halt occurs.

Many of the messages contain variable data that will be replaced by LCDS to PCL in the actual message. This variable is shown in italics or bold. Throughout the guide, you are referred to the appropriate reference manual for detailed information on the specific functional area or command.

Throughout this section, reference to “application” is the application program with the LCDS to PCL program running within it. It may be the PROMETA program or another program if this software has been embedded in another application.

0001 Processor long is BitsLong less than 32 bits

BitsLong:	Number that describes the processor long in the system.
Message name:	ERR_BADPROC
Message Meaning:	Processor long is insufficient to run the application.
System Action:	The application exits.
Recommended User Action:	You should upgrade your processor.

0002 Cannot open file JSL_File_Name error code (Error_number, message)

JSL_File_Name	Name and path of the file.
Error_number	Operating system code that describes the error that occurred.
message	Operating system message describing the error that occurred.
Message name:	ERR_NOFILE
Message Meaning:	The file could not be opened because it does not exist or it cannot not be accessed. Please refer to the Xerox printer's Print Description Language Reference manual for further information.
System Action:	The application continues processing.
Recommended User Action:	Verify the file name and re-enter the command.

0003 File Input_FileName not a recognizable font.

Input_FileName	Name of the input file.
Message name:	ERR_BADFILE
Message Meaning:	File open failed due to unsupported font. The file may have been corrupted during transfer from the printer.
System Action:	The file will be closed. The application continues processing.
Recommended User Action:	Verify that the font file is in the correct format.

0006 error writing file.

Message name:	ERR_WRITEERR
Message Meaning:	An error occurred writing the file.
System Action:	The application continues processing with the return number of bytes reading.
Recommended User Action:	Verify the subdirectory exists. Verify the disk is full or write-protected, Or verify there are sufficient access rights to the subdirectory.

0007 seek error bytes_read, offset= Offset, whence= Where

bytes_read	Number of bytes reading.
Offset	This is the number of bytes that the seek is to offset in the file.
Where	This is a code which specifies where in the file the seek is to take place from.
Message name:	ERR_BADSEEK
Message Meaning:	An error occurred during the file seek.
System Action:	The application continues processing.
Recommended User Action:	This is an informational message.

0008 Memory allocation failed for buffer

buffer	A memory control block that is being allocated.
Message name:	ERR_NOMEM
Message Meaning:	A memory allocation failed due to insufficient heap memory.
System Action:	The application exits with the return code of the message number.
Recommended User Action:	Either increase the memory on the computer, or make a larger swap file available.

0009 User is not authorized to use Progname

progname	Name of the program using the LCDS library */.
Message name:	ERR_SECCCHECK
Message Meaning:	User failed the security check.
System Action:	The application runs but places the demonstration messages on each page of the output.
Recommended User Action:	Unless this is a demonstration version of progname, verify that the correct key is being used. Contact your administrator or vendor to find out the reason why you do not have the correct program key.

0010 Error reading from input file, completion is bytes_read, reason code error_number: message

bytes_read	Number of bytes reading.
error_number	Reason code describing the error that occurred.
message	Message describing the error that occurred.
Message name:	ERR_READERR
Message Meaning:	An internal error occurred reading from input file.
System Action:	The application continues processing.
Recommended User Action:	You can determine the nature of the problem by using the error descriptor message and the reason code.

0011 unknown option OptionName, for help, progname -?

OptionName	Name of the unknown options.
progname	Name of the program.
Message name:	ERR_BADOPT
Message Meaning:	The parameters in the list of arguments have invalid values.
System Action:	The application continues processing.
Recommended User Action:	Verify the parameter values and re-enter the command.

0012 bad argument count, for help, progname -?

progname	Name of the program.
Message name:	ERR_BADARGS
Message Meaning:	The command entry has more parameters than are defined for that command.
System Action:	The application continues processing.
Recommended User Action:	The user should re-enter the command with defined parameters.

0018 incomplete PCL command in file.

Message name:	ERR_BADPCL
Message Meaning:	The PCL command in the font file contains incorrect syntax.
System Action:	The application continues processing.
Recommended User Action:	Verify the integrity of the PCL file. Verify that it has not been corrupted. If so, delete the file and re-run the application as it will be re-created.

0019 PCL command string is too long

Message name:	ERR_CMDLONG
Message Meaning:	PCL command string is longer than 256 characters.
System Action:	The application continues processing.
Recommended User Action:	Verify the integrity of the PCL file. Verify that it has not been corrupted. If so, delete the file and re-run the application as it will be re-created.

0020 PCL font header is wrong type.

Message name:	ERR_PCLHDRLENG
Message Meaning:	The type in the PCL font header has an invalid value.
System Action:	The application continues processing.
Recommended User Action:	Verify that a bitmap PCL font file has been provided. If not, find out why the font is in the incorrect format, correct it, and re-run the application.

0021 bad pcl char desc.

Message name:	ERR_PCLCDLENG
Message Meaning:	The PCL font has an invalid character descriptor.
System Action:	The application continues processing.
Recommended User Action:	Verify the integrity of the PCL file. Verify that it has not been corrupted. If so, delete the file and re-run the application as it will be re-created.

0022 Bitmap Character_Code dimensions Dim_X X Dim_Y is too large.

Character_code	The character code in hexadecimal.
Dim_X	One of the dimensions of the bitmap.
Dim_Y	One of the dimensions of the bitmap.
Message name:	ERR_BMDIM
Message Meaning:	Bitmap dimension is out of range. The Xerox font has a character that is too large to be converted.
System Action:	The application uses the default bitmap dimension and continues processing.
Recommended User Action:	Check to see if the Xerox font is in the correct format. Verify that it was not corrupted during transfer from the Xerox printer.

0025 Output file size exceeds 64K

Message name:	ERR_OUTTOOLONG
Message Meaning:	The output font file size has exceeded the maximum permitted. This happens when a Xerox font is being converted to Xerox format.
System Action:	The application continues processing.
Recommended User Action:	Verify the size of the font file being converted.

0026 Character too big

Message name:	ERR_TOCANON
Message Meaning:	The Xerox font has a character that is too large to be converted.
System Action:	The application continues processing.
Recommended User Action:	Check to see if the Xerox font is in the correct format. Verify that it was not corrupted during transfer from the Xerox printer.

0027 Font with orientation Font_orientation found

Font_orientation	Character that describes the orientation found.
Message name:	ERR_UNSUPPOR
Message Meaning:	The Xerox font does not contain a supported character rotation. The orientations supported are P (Portrait), L (Landscape), I (Inverse Portrait), and J (Inverse Landscape).
System Action:	The application uses the default orientation and continues processing.
Recommended User Action:	The user should verify the orientation of this font. Check that the Xerox font is in the correct format. Verify that it was not corrupted during transfer from the Xerox printer.

0047 resolution format error errcode, defaulting to 300 dpi

errcode	Error code: -1 Invalid IMG header. -2 Improper Short_Seq length. -3 Denominator zero or negative. -4 Denominator greater than numerator.
Message name:	ERR_BADRES
Message Meaning:	This warning will occur when the resolution parameter in the IMG header is invalid.
System Action:	The application continues processing with the default resolution. The program will set the resolution to the default value of 300.
Recommended User Action:	If the output is invalid, the bad image file should be corrected and the application re-run.

0109 Encrypted/decrypted file wrong length.

Message name:	WNG_BADFLENGTH
Message Meaning:	An error occurred in encrypted/decrypted file length. The file may have been corrupted during transfer from the printer.
System Action:	The application continues processing.
Recommended User Action:	Verify that the file has not been corrupted.

0113 The character descriptor Character_Code, Character_width, Ink_forFont ignored.

Character_Code	Current character code.
Character_width	Width of current character.
Ink_forFont	Total horizontal range of ink_for font.
Message name:	WNG_BADCDESC
Message Meaning:	An invalid character descriptor was found.
System Action:	The application ignores the character descriptor and continues processing.
Recommended User Action:	Verify the Xerox font is in the correct format. Verify that it was not corrupted during transfer from the Xerox printer.

0114 Leading= leading is inconsistent w/linesp=LineSpace ch=Ink_for Font, font FontName

leading	Number of spaces.
LineSpace	Vertical Motion Index in dots.
Ink_forFont	Total vertical range of ink for font.
FontName	Name of the font.
Message name:	WNG_BADLEADING
Message Meaning:	The Xerox font's leading value is not consistent with the font's line spacing LineSpace and character cell size Ink_for Font for font FontName.
System Action:	The application continues processing.
Recommended User Action:	This message is a warning that the font file has an inconsistency in it. Normally, this does not cause any problems, however if you notice line spacing problems in your output, you may want to get the font corrected by your font vendor.

0115 chrHigh= Character_High is inconsistent w/maxdesc= Max_Distance, cellh= Ink_forFont LPSLineSpace, font FontName

Character_High	Height of the character in dots (above baseline).
Max_Distance	Maximum distance from baseline to bottom of glyph.
LineSpace	Vertical Motion Index in dots.
Ink_forFont	Total vertical range of ink for font.
FontName	Internal font name.
Message name:	WNG_BADCHARHIGH
Message Meaning:	The 8790-character height Character_High is not compatible with the values defined (Maximum distance Max_Distance, character cell size Ink_for Font and line spacing LineSpace) for font FontName. The Xerox font's character height value is not consistent with the font's line spacing and character cell size.
System Action:	The application continues processing.
Recommended User Action:	This message is a warning that the font file has an inconsistency in it. Normally, this does not cause any problems, however if you notice line spacing problems in your output, you may want to get the font corrected by your font vendor.

0116 Font has obsolete bitmap format

Message name:	WNG_OLDBMSTYLE
Message Meaning:	The Xerox font requested has an obsolete bitmap format. This font is from a very old Xerox printer.
System Action:	The application uses the default Xerox font and continues processing.
Recommended User Action:	Obtain a version of the font from a currently supported Xerox printer and re-run the application.

0117 Font has unknown bitmap format

Message name:	WNG_UNKBMSTYLE
Message Meaning:	The Xerox font requested has an invalid format.
System Action:	The application continues processing.
Recommended User Action:	Verify the Xerox font is in the correct format. Verify that it was not corrupted during transfer from the Xerox printer.

0118 Font with 10 byte FST entries

Message name:	WNG_10BYTEFST
Message Meaning:	The Xerox font is a new font with 10 byte Font Specification Table entries.
System Action:	The application continues processing.
Recommended User Action:	This is an informational message that requires no user action.

0119 The font FontName has non standard space width average= AvgSpace, space= CharaterSpace

FontName	Internal font name.
AvgSpace	Average spacing value.
CharaterSpace	Field width of space not equal average space in hexadecimal.
Message name:	WNG_NSTDSPACE
Message Meaning:	Font's space character width is not equal to average character space value.
System Action:	The application continues. During conversion of the font, space characters will be generated for all unused character codes in the Xerox font.
Recommended User Action:	This is an informational message that requires no user action.

0123 inconsistent cd Character_Code tag= Parameter_value, value by scan.

Character_Code	Character code in hexadecimal.
tag	
Parameter_value	
value	
Message name:	WNG_INCCD
Message Meaning:	The character descriptor is inconsistent with the bitmap in a character in the Xerox font.
System Action:	The application continues processing.
Recommended User Action:	This is an informational message that requires no user action.

0124 Blank bitmap found

Message name:	WNG_8790BM
Message Meaning:	A bitmap in a Xerox font was found to be blank.
System Action:	The application continues processing.
Recommended User Action:	This is an informational message that requires no user action.

0128 error -- unknown output type FileName

FileName	Code number that identifies the output file type.
Message name:	WNG_BADOUTTYPE
Message Meaning:	Font output writers could not determine the output format for font file.
System Action:	No output font will be produced. The application continues processing using the default font.
Recommended User Action:	If you are running the fontcvt program, verify the output file type specified and re-enter the proper type.

0129 can’t find o/p CD Character_Code.

Character_Code	Character descriptor in hexadecimal.
Message name:	WNG_NOOPCD
Message Meaning:	The font’s character descriptor could not be found. The Xerox font requested has an invalid format.
System Action:	The application continues processing.
Recommended User Action:	Verify the Xerox font is in the correct format. Verify that it was not corrupted during transfer from the Xerox printer.

0130 8790 ccode= Character_Code char ofs was Character_Offset, set to 0

Character_Code	Character descriptor in hexadecimal.
Character_Offset	Character reference point to leftmost ink.
Message name:	WNG_8790COFS
Message Meaning:	Xerox font character offsets would be negative.
System Action:	The application sets the character offset to 0 and continues processing.
Recommended User Action:	Verify that the output is correct. If not, verify the Xerox font is in the correct format. Verify that it was not corrupted during transfer from the Xerox printer.

0131 Warning: cbm.c_buf is already allocated

Message name:	WNG_CBALLOC
Message Meaning:	A font bit map buffer was allocated twice. This may have happened due to incorrect font files being read.
System Action:	The application continues processing.
Recommended User Action:	Verify the Xerox fonts are in the correct format. Verify that none were corrupted during transfer from the Xerox printer.

0199 S370 Packed Decimal field error (S0C7) field length Length value Field

Length	Length of the Packed Decimal field.
Field	Contents of the Packed Decimal field in Hex.
Message name:	ERR_S0C7
Message Meaning:	An error occurred in a data field that is defined as S370 Packed Decimal. This is what is referred to in IBM S370/S390 as a S0C7 abend.
System Action:	The application continues, however, the results may be incorrect.
Recommended User Action:	Verify the data field contents and length.

0201 Invalid Record Delimiter Record_Delim in Configuration file.

Record_Delim	Value of the Record Delimiter.
Message name:	ERR_BADELIM
Message Meaning:	An error occurred in the configuration file due to an invalid Record Delimiter.
System Action:	The application exits with the return code of 201.
Recommended User Action:	Verify the Record Delimiter and correct the configuration file.

0202 Invalid option - Option_Value

Option_Value	Value of the invalid option.
Message name:	ERR_BADPARM
Message Meaning:	The command on execution has an invalid parameter, too many parameters, or not enough.
System Action:	The application exits with the return code of 202.
Recommended User Action:	Select the proper parameters and re-run the application.

0203 Unable to open output pcl file OutputFileName error(error_number, Reason, message).

OutputFileName	Name of the PCL metacode file.
error_number	Number of error.
Reason	Reason code describing the error that occurred.
message	Message describing the error that occurred.
Message name:	ERR_BADPCLFILE
Message Meaning:	Unable to open output PCL file. Processing continues but will not create an output file.
System Action:	The application exits with a return code of 203.
Recommended User Action:	You can determine the nature of the problem by using the error descriptor message and the reason code.

0204 Unable to open input file InputFileName error (error_number, Reason, message).

InputFileName	Name of the input file.
error_number	Number of error.
Reason	Reason code describing the error that occurred.
message	Message describing the error that occurred.
Message name:	ERR_NOINFILE
Message Meaning:	The input file cannot open.
System Action:	The application exits with a return code of 204.
Recommended User Action:	Determine the nature of the problem by using the error descriptor message and the reason code.

0211 Invalid Index File Record Delimiter Record_Delim in Configuration file.

Record_Delim	Value of the File Record Delimiter.
Message name:	ERR_INDEXDELIM
Message Meaning:	An error occurred in the configuration file due to an invalid Index File Record Delimiter.
System Action:	The application exits with the return code of 211.
Recommended User Action:	Verify the Index File Record Delimiter and correct the configuration file.

0221 Invalid command - Use: Aplication_Name xrxfile [pclfile] [options]

Aplication_Name	Name of the application.
Message name:	ERR_BADPCLPARM
Message Meaning:	The command on execution has an invalid parameter, too many parameters, or not enough.
System Action:	The application exits with the return code of 221.
Recommended User Action:	Select the proper parameters and re-run the application.

0223 use: sample filemask [-D/-d] [copies]

Message name:	ERR_BADSAMPLEPARM
Message Meaning:	The command on execution has an invalid parameter, too many parameters, or not enough.
System Action:	The application exits with the return code of 221.
Recommended User Action:	Select the proper parameters and re-run the application.

0240 SPLIT Statement parameter Parameter_Name=Parameter_Value invalid

Parameter_Name	One of the parameters in the SPLIT statement.
Parameter_Value	The invalid parameter value.
Message name:	WNG_BADSPLIT
Message Meaning:	The parameter specified in SPLIT statement has an invalid value.
System Action:	The application halts processing.
Recommended User Action:	Verify an appropriate value for Parameter_Name and re-enter the command.

0241 OPTIONS Statement parameter Parameter_Name=Parameter_Value invalid

Parameter_Name	One of the parameters in the OPTIONS statement.
Parameter_Value	The invalid parameter value.
Message name:	WNG_BADOPTIONS
Message Meaning:	The parameter specified in OPTIONS statement has an invalid value.
System Action:	The application halts processing.
Recommended User Action:	Verify an appropriate value for parameter and re-enter the command.

0300 "message"

message	Message describing the error that occurred.
Message name:	WNG_INFO
Message Meaning:	General information message.
System Action:	The application continues processing.
Recommended User Action:	This is an informational message. Verify the message number in the message itself.

0301 PCC PCCTYPE specified in JSL, but Lookahead found DataPCC bytes in the print data

PCCTYPE	The value specified for PCCTYPE in the JSL/DJDE or defaults.
DataPCC	The type of PCC bytes found in the print data.
Parameter_Name	Name of the parameter in PCCTYPE.
Message name:	WNG_PCC_MISMATCH
Message Meaning:	The parameter specified in PCCTYPE parameter in JSL or DJDE or defaulted PCCTYPE is not the same as the PCC bytes actually found in the data.
System Action:	The application overrides the PCCType to the value of the PCC bytes found in the data.
Recommended User Action:	If the results are not as desired, the user can disable the Lookhead feature by specifying XeroxPCCTypeLookahead=NO configuration parameter.

0302 Duplicate COMMAND Name specified in Index Command File

COMMAND	The type of command which has been duplicated.
Name	The name of the command which has been duplicated.
Message name:	ERR_DUP_ICF_CMD
Message Meaning:	The command specified with the name in the Index Command File has already been specified, and no two entries can have the same name.
System Action:	The application halts processing with an error return code.
Recommended User Action:	The user should correct the appropriate entry in the Index Command File to remove the duplicate entry.

0303 Character GLYPH out of range, highest character in font FontName is HighChar

GLYPH	The character code that is out of range.
FontName	The name of the font being used.
HighChar	The largest allowable character code allowed for this font.
Message name:	WNG_CHARANGECHECK
Message Meaning:	The character glyph specified in the font with the name FontName is out of range. For the FontName font characters cannot be greater than HighChar.
System Action:	The application continues processing without errors. The character has been reset to the space character.
Recommended User Action:	Verify the output is correct. If it is correct, then it is possible that the application was poorly designed. If the output is incorrect, it is possible that the wrong code page is being used, or the wrong CODE setting (i.e. EBCDIC vs. ASCII).

0304 Secure Encrypted font FontName being converted, check results

FontName	The name of the font being used.
Message name:	WNG_SECUREFONT
Message Meaning:	The font with the name FontName is a secure font. This means that its bitmap is encrypted with an encryption key for the printer it is licensed for. This font is being converted to a target format, but this conversion may not yield the desired results as the font will look very poor.
System Action:	The application continues processing without errors. The character has been reset to the space character.
Recommended User Action:	The user should use the font table to map the font to an appropriate font.

0305 Error action FCB file filename, FCB Ignored

action	The action that failed (either loading, parsing, or saving).
fontname	The name of the FCB file being used.
Message name:	WNG_BADFCB
Message Meaning:	The FCB file with the name filename was unable to be processed. The action process encountered an error.
System Action:	The application continues processing without errors. The FCB will not be used, and this may cause problems with the output.
Recommended User Action:	The user should verify that the FCBFILE and FCBPROCESS parameters have been specified correctly and that the FCB file has been properly downloaded from the host library.

0306 Glyph list file GlyphListFile open failed GlyphListType (error_number, reason, message).

GlyphListFile	Name of the Glyph List File.
GlyphListType	Type of the Glyph List File.
error_number	Number of error.
Reason	Reason code describing the error that occurred.
message	Message describing the error that occurred.
Message name:	ERR_GLFOPEN
Message Meaning:	The symbol set file GlyphListFile for GlyphListType could not be opened due to error.
System Action:	The application continues processing without the symbol set.
Recommended User Action:	Determine the nature of the problem by using the error descriptor message and the reason code.

0307 Cannot dump records with record delimiter RecordDelimiter from file File

File	Name of file.
RecordDelimiter	Type of record delimiter of the file.
Message name:	WNG_RECTYPEERR
Message Meaning:	The records of the file could not be dumped due to an invalid record delimiter.
System Action:	The application exits with the return code of 307.
Recommended User Action:	

0308 Multiple index modes specified in Index Command File

Message name:	ERR_MULTIPLE_MODE_ICF
Message Meaning:	The user is using more than one index mode in the ICF file.
System Action:	The application displays an error message.
Recommended User Action:	The user must use only one index mode in the ICF file.

0309 Corrupted CME file CME_File_Name

CME_File_Name	Name of CME file.
Message name:	ERR_BADCME
Message Meaning:	The CME resource file is corrupted and cannot be interpreted correctly.
System Action:	The application displays an error message and continues processing.
Recommended User Action:	The user should review the output to make sure it is correct. The user should also ensure that the CME file has been properly copied from the printer. Contact LRS technical support staff for additional information.

0310 Record length Record_Length is greater than the block size Block_Size, file File_Name corrupted

Record_Length	Length of the record.
Block_Size	Size of the block.
File_Name	Name of file.
Message name:	ERR_BADRECLEN
Message Meaning:	The file is corrupted and cannot be interpreted correctly.
System Action:	The application displays an error message, and processing halts.
Recommended User Action:	Review the print file to make sure it is correct. Also, ensure that the print file has been properly transmitted. It is a strong possibility that the RECDELIM for the file has been incorrectly specified. Contact LRS technical support staff for additional information.

0311 Unable to push page on stack on page PageCount, page stack index is Index

PageCount	Number of the page.
Index	Index number of the page on stack.
Message name:	ERR_PAGESTACKFULL
Message Meaning:	The page stack is full and a page cannot be added.
System Action:	The application displays an error message and processing continues without the page being added.
Recommended User Action:	Review the print file to make sure it is correct. Contact LRS technical support staff for additional information.

0312 ADDPAGE Statement parameter Parameter_Name=Parameter_Value invalid

Parameter_Name	One of the parameters in FIELD statement.
Parameter_Value	The invalid parameter value.
Message name:	WNG_BADADDPAGE
Message Meaning:	The parameter specified in FIELD statement has an invalid value.
System Action:	The application continues processing.
Recommended User Action:	Verify an appropriate value for parameter and re-enter the command.

1999 Driver DriverName requested abnormal shutdown on page PageNum ErrorCode,Reason

DriverName	Name of the driver where the error was encountered.
PageNum	Number of the page within the document where the error was encountered.
ErrorCode	Error return code for the error that was encountered.
Reason	Explanation of the error that was encountered.
Message name:	ERR_DRIVER_ERROR
Message Meaning:	User failed the security check.
System Action:	The application stops without processing any further pages and returns the return code.
Recommended User Action:	An error was encountered in one of the output drivers on page of the document. The message explains why the driver requested the shutdown. Look in the error log for previous messages that may provide more information about the error.

2700 Invalid or unsupported command CommandName in FileName file.

CommandName	Name of the command in error.
FileName	Name of the file which contains the bad command (JSL, Font table).
Message name:	WNG_JSLBADCMD
Message Meaning:	The command in font table file was not recognized as a valid command for the input file specified.
System Action:	The application continues processing.
Recommended User Action:	Check the command for the proper spelling and re-enter it.

2701 JDL JDLName not found, processing with defaults

JDLName	Name of the Job Descriptor Library.
Message name:	WNG_NOJDL
Message Meaning:	A Job Descriptor Library (JDL) specified on the configuration file, command line parameter, or a DJDE in the print file was not found in the JSL library provided.
System Action:	The program continues processing using default JDL. The output will probably be incorrect.
Recommended User Action:	Ensure you have specified the correct JDL library name and that the correct JSL files are in the JSLDIR or JSLPATH specified. If the name of the JDL does not match the name of the JSL file which contains it, you may have to add an entry to the System Catalog (SYSCATLG.TAB) file. This can be done with the PDL program or with a text editor such as Notepad.

2702 JDE JDEName not found, processing with defaults.

JDEName	Name of the Job Descriptor Entry.
Message name:	WNG_NOJDE
Message Meaning:	A Job Descriptor Library (JDE) specified on the configuration file, command line parameter, or a DJDE in the print file was not found in the JSL library provided.
System Action:	The program continues processing using the default JDE. The output will probably be incorrect.
Recommended User Action:	Ensure that you have specified the correct JDE name and that the correct JSL files are in the JSLDIR or JSLPATH specified. If the name of the JDL does not match the name of the JSL file which contains it, you may have to add an entry to the System Catalog (SYSCATLG.TAB) file. This can be done with the PDL program or with a text editor such as Notepad.

6001 Command_Name command Keyword invalid: Keyword_Name.

Command_Name	Name of the command.
Keyword_Name	Invalid keyword.
Message name:	ERR_DJDEKM
Message Meaning:	The Keyword_Name keyword in the Command_Name command is missing or it has an invalid value. Refer to your Xerox printer's Print Description Language Reference manual for further information.
System Action:	The application continues processing.
Recommended User Action:	Re-enter the keyword using a proper value.

6003 JSLType JSL JSLFileName.JSLExt cannot be read.

JSLType	Type of JSL (Default, Object, Output Start).
JSLFileName	Name of the JSL file.
JSLExt	Extension of the JSL file.
Message name:	ERR_BADJSL
Message Meaning:	The Job Source Language file could not be read and processed. An error was encountered during the reading and parsing of the file. There should be other messages above this one which describe the error encountered in more detail.
System Action:	The application continues processing.
Recommended User Action:	Using the above messages, determine the nature of the problem, correct it, and re-run the application.

6004 Invalid JSL Command CommandName - Ignored

CommandName	The name of the command.
Message name:	WNG_BADJSLCMD
Message Meaning:	JSL command was not recognized as a valid command. Refer to the Xerox printer's Print Description Language Reference manual for further information.
System Action:	The program ignores the command and continues processing.
Recommended User Action:	Check the command for the proper spelling.

6005 PDL parameter keyword Parameter_keyword unsupported

Parameter_keyword	The unsupported parameter keyword.
Message name:	WNG_UNSUPKW
Message Meaning:	The PDL parameter keyword is not currently supported by the application. It is either not applicable to the conversion to the target format, or is not supported for some other reason. Refer to the Xerox printer's Print Description Language Reference manual for further information.
System Action:	The program continues processing without using this parameter.
Recommended User Action:	Verify that the output has been created correctly. If not, contact LRS technical support staff for further information.

6006 PDE BEGIN value is invalid

Message name:	WNG_BADBEGIN
Message Meaning:	The value in the BEGIN parameter is not recognized in the Page Descriptor Entry (PDE). Refer to the Xerox printer's Print Description Language Reference manual for further information.
System Action:	The application continues processing. The output produced may be incorrect.
Recommended User Action:	Verify the BEGIN parameter value in the JSL and enter the proper value.

6007 LINE Parameter_Name is invalid

Parameter_Name	This is one of the LINE statement parameter names.
Message name:	WNG_BADLINE
Message Meaning:	The parameter is not recognized in the PDL LINE command. Refer to the Xerox printer's Print Description Language Reference manual for further information.
System Action:	The application continues processing.
Recommended User Action:	Verify the parameter entry in the LINE command and re-enter it.

6008 Invalid VFU channel assignment.

Message name:	WNG_BADVFU
Message Meaning:	VFU channel assignment has an invalid value.
System Action:	The application continues processing.
Recommended User Action:	Verify the value and re-enter the command.

6010 Paper size unsupported.

Message name:	ERR_UNSUP
Message Meaning:	The selected paper size is not supported by the application. Refer to the Xerox printer's Print Description Language Reference manual for further information.
System Action:	The application exits with an error return code of 6010.
Recommended User Action:	Verify the paper size and select the proper size.

6011 Multiple Page oriented DJDEs ignored, line Data_LineNumber

Data_LineNumber	Number of data lines ignored in the logical page used to determine if at start of page.
Message name:	ERR_DUPDJDE
Message Meaning:	Two page-oriented DJDEs were found on one logical page, only the first is processed. Refer to the Xerox printer's Print Description Language Reference manual for further information.
System Action:	The application ignores the error and continues processing without the second DJDE.
Recommended User Action:	One way to fix this is to separate the page into two logical pages. Another possibility is if the DJDEs are already on two separate logical pages, they may not have been recognized as such by LCDS to PCL if the wrong PCC (Printer Carriage Control) has been specified. This is specified in the JSL LINE command. Verify that the JSL PCC specification matches the actual PCC codes in the print file.

6012 ForceJDLRead JDL Keyword table missing

Message name:	ERR_INTERR
Message Meaning:	An internal error occurred.
System Action:	The application continues processing. Verify that the output is correct.
Recommended User Action:	This is an informational message. No user action is required.

6013 Invalid character type assignment Parameter_Value in TCODE statement

Parameter_Value	The invalid character type assignment.
Message name:	WNG_BADTCODE
Message Meaning:	The character type assignment is not recognized in the TCODE statement. Refer to the Xerox printer's Print Description Language Reference manual for further information.
System Action:	The application continues processing.
Recommended User Action:	Verify the proper character type assignment in the JSL TCODE statement and re-enter the proper value.

6014 CRITERIA Parameter_Name parameter bad.

Parameter_Name	This is one of the CRITERIA statement parameter names.
Message name:	ERR_BADCRI
Message Meaning:	The parameter in the CRITERIA statement is missing and it has no default value or the used value is incorrect. Refer to the Xerox printer's Print Description Language Reference manual for further information.
System Action:	The application continues processing.
Recommended User Action:	Re-enter the JSL statement using proper values for each parameter.

6015 Invalid Parameter_Name in TABLE statement

Parameter_Name	This is one of the TABLE statement parameter names.
Message name:	ERR_BADTABLE
Message Meaning:	The parameter in the TABLE statement is missing and it has no default value or the used value is incorrect. Refer to the Xerox printer's Print Description Language Reference manual for further information.
System Action:	The application continues processing.
Recommended User Action:	Re-enter the statement using proper values for each parameter.

6016 Invalid Parameter_Name in RSTACK statement

Parameter_Name	This is one of the RSTACK statement parameter names.
Message name:	ERR_BADRSTACK
Message Meaning:	The parameter in the RSTACK statement is missing and it has no default value or the used value is incorrect. Refer to the Xerox printer's Print Description Language Reference manual for further information.
System Action:	The application continues processing.
Recommended User Action:	Re-enter the statement using proper values for each parameter.

6017 Invalid Parameter_Name in RPAGE statement

Parameter_Name	This is one of the RPAGE statement parameter names.
Message name:	ERR_BADRPAGE
Message Meaning:	The parameter in the RPAGE statement is missing and it has no default value or the used value is incorrect. Refer to the Xerox printer's Print Description Language Reference manual for further information.
System Action:	The application continues processing.
Recommended User Action:	Re-enter the statement using proper values for each parameter.

6018 Invalid Parameter_Name in ROFFSET statement

Parameter_Name	This is one of the ROFFSET statement parameter names.
Message name:	ERR_BADOFFSET
Message Meaning:	The parameter in the ROFFSET statement is missing and it has no default value or the used value is incorrect. Refer to the Xerox printer's Print Description Language Reference manual for further information.
System Action:	The application continues processing.
Recommended User Action:	Re-enter the statement using proper values for each parameter.

6019 Invalid Parameter_Name in RSUSPEND statement

Parameter_Name	This is one of the RSUSPEND statement parameter names.
Message name:	ERR_BADRSUSPEND
Message Meaning:	The parameter in the RSUSPEND statement is missing and it has no default value or the used value is incorrect. Refer to the Xerox printer's Print Description Language Reference manual for further information.
System Action:	The application continues processing.
Recommended User Action:	Re-enter the statement using proper values for each parameter.

6020 Invalid Parameter_Name in RRESUME statement

Parameter_Name	This is one of the RRESUME statement parameter names.
Message name:	ERR_BADRRESUME
Message Meaning:	The parameter in the RRESUME statement is missing and it has no default value or the used value is incorrect. Refer to the Xerox printer's Print Description Language Reference manual for further information.
System Action:	The application continues processing.
Recommended User Action:	Re-enter the statement using proper values for each parameter.

6021 Invalid Parameter_Name in BANNER statement

Parameter_Name	This is one of the BANNER statement parameter names.
Message name:	ERR_BADBANNER
Message Meaning:	The parameter in the BANNER statement is missing and it has no default value or the used value is incorrect. Refer to the Xerox printer's Print Description Language Reference manual for further information.
System Action:	The application continues processing.
Recommended User Action:	Re-enter the statement using proper values for each parameter.

6022 DJDE IMAGE parameter Parameter_Name is invalid

Parameter_Name	Name of the DJDE image parameter name.
Message name:	ERR_IMGERR
Message Meaning:	The parameter in a DJDE IMAGE statement is incorrect or is missing. Refer to the Xerox printer's Print Description Language Reference manual for further information.
System Action:	The application continues processing.
Recommended User Action:	Correct the DJDE in the print file using a proper parameter and re-run the application.

6023 DJDE GRAPHIC parameter Parameter_Name is invalid

Parameter_Name	This is one of the DJDE GRAPHIC statement parameter names.
Message name:	ERR_GRPHERR
Message Meaning:	The parameter in a DJDE GRAPHIC statement is incorrect or is missing. Refer to the Xerox printer's Print Description Language Reference manual for further information.
System Action:	The application continues processing.
Recommended User Action:	Correct the DJDE in the print file using a proper parameter and re-run the application.

6024 Cannot open the input FORM file FormName, output may be invalid.

FormName	Name of the FRM form file.
Message name:	ERR_BADFORM
Message Meaning:	The requested input file is not found. Verify that the FORMSDIR or FRMPATH subdirectories have been correctly specified and that the .FRM file is in one of the specified subdirectories.
System Action:	The application continues processing.
Recommended User Action:	Verify that the .FRM file is in place and re-run the application.

6025 Copy specification is invalid, 1 substituted

Message name:	WNG_COPYERR
Message Meaning:	The specification number in the COPIES parameter is incorrect and is substituted by 1. Refer to the Xerox printer's Print Description Language Reference manual for further information.
System Action:	The application continues processing producing only one copy of the output.
Recommended User Action:	Verify the value in the COPIES parameter of the OUTPUT statement in the JSL file is corrected and re-run the application.

6026 Invalid FEED parameter Parameter_Value, OPR substituted.

Parameter_Value	This is the invalid value in the FEED parameter.
Message name:	WNG_BADFEED
Message Meaning:	The FEED parameter is incorrect and is substituted by 1. Refer to the Xerox printer's Print Description Language Reference manual for further information.
System Action:	The application continues processing producing only one copy of the output.
Recommended User Action:	Verify the value in the FEED parameter and re-enter the command.

6027 Invalid COVER parameter Parameter_Value, NONE substituted

Parameter_Value	This is the invalid value in the COVER parameter.
Message name:	WNG_BADCOVER
Message Meaning:	The specification in the COVER parameter is incorrect and is substituted by NONE. Refer to the Xerox printer's Print Description Language Reference manual for further information.
System Action:	The application continues processing.
Recommended User Action:	Verify the value on the parameter and re-enter the command.

6028 SHIFT parameter Parameter_Value is invalid.

Parameter_Value	The invalid parameter value.
Message Meaning:	The SHIFT parameter has an invalid value. Refer to the Xerox printer's Print Description Language Reference manual for further information.
System Action:	The application continues processing.
Recommended User Action:	Select the proper parameter and re-run the application.

6029 Invalid OFFSET parameter Parameter_Value, ALL substituted

Parameter_Value	The invalid parameter value.
Message name:	WNG_BADOFFSET
Message Meaning:	The parameter OFFSET has an invalid value and it is substituted by default value ALL. Refer to the Xerox printer's Print Description Language Reference manual for further information.
System Action:	The application continues processing.
Recommended User Action:	Select the proper parameter and re-run the application.

6030 NUMBER parameter Parameter_Value is invalid.

Parameter_Value	Value of the invalid parameter.
Message name:	WNG_NUMBER
Message Meaning:	The NUMBER parameter has an invalid value. Refer to the Xerox printer's Print Description Language Reference manual for further information.
System Action:	The application continues processing.
Recommended User Action:	Select the proper parameter and re-run the application.

6031 PAPERSIZE parameter Parameter_Value is invalid

Parameter_Value	Value of the invalid parameter.
Message name:	WNG_PAPERSIZE
Message Meaning:	Refer to the Xerox printer's Print Description Language Reference manual for further information.
System Action:	The application continues processing.
Recommended User Action:	Select the proper parameter and re-run the application.

6032 Callout for non-existent char code Character_code

Character_code	The invalid font character in hexadecimal.
Message name:	WNG_BADFONTCHAR
Message Meaning:	The font character required does not exist in font file. Refer to the Xerox printer's Print Description Language Reference manual for further information.
System Action:	The application continues processing, substituting a space character for the invalid character.
Recommended User Action:	Select the proper font character.

6033 Xerox font XeroxFontName is not available.

XeroxFontName	The invalid Xerox font name.
Message name:	WNG_BADFNT
Message Meaning:	The Xerox font required does not exist.
System Action:	The application continues processing. Verify that the output is correct.
Recommended User Action:	Verify the Xerox font name is correct. Then verify that the Xerox font file (.FNT) is available in the FNTDIR subdirectory or the FONTPATH subdirectories.

6034 Invalid VOLUME HOST parameter Parameter_Value, IBMOS substituted

Parameter_Value	Value of the invalid parameter.
Message name:	WNG_BADHOST
Message Meaning:	The value in the HOST parameter in the VOLUME statement has an invalid value and it has been substituted by IMBOS. Refer to the Xerox printer's Print Description Language Reference manual for further information.
System Action:	The application continues processing.
Recommended User Action:	Select the proper parameter and re-run the application. Verify that the output is correct.

6035 RECORD ADJUST specification is invalid, 0 substituted

Message name:	WNG_RECADJERR
Message Meaning:	The Value specification in the ADJUST parameter of the RECORD statement has an invalid value and it is substituted by 0. Refer to the Xerox printer's Print Description Language Reference manual for further information.
System Action:	The application continues processing.
Recommended User Action:	Select the proper value and re-run the application.

6036 RECORD LMULT specification is invalid, 1 substituted

Message name: WNG_RECLMULTERR

Message Meaning: The Value specification in the LMULT parameter of the RECORD statement has an invalid value and it is substituted by 1. Refer to the Xerox printer's Print Description Language Reference manual for further information.

System Action: The application continues processing.

Recommended User Action: Select the proper value and re-run the application.

6037 RECORD LTHFLD specification is invalid, 0 substituted

Message name: WNG_RECLTHFLD

Message Meaning: The Value specification in the LTHFLD parameter of the RECORD statement has an invalid value and it is substituted by 0. Refer to the Xerox printer's Print Description Language Reference manual for further information.

System Action: The application continues processing.

Recommended User Action: Select the proper value and re-run the application.

6038 RECORD OFFSET specification is invalid, 0 substituted.

Message name: WNG_RECOFFSET

Message Meaning: The Value specification in the OFFSET parameter of the RECORD statement has an invalid value and it is substituted by 0. Refer to the Xerox printer's Print Description Language Reference manual for further information.

System Action: The application continues processing.

Recommended User Action: Select the proper value and re-run the application.

6039 RECORD POSTAMBLE specification is invalid, 0 substituted

Message name: WNG_RECPOSTA

Message Meaning: The Length specification in the POSTAMBLE parameter of the RECORD statement has an invalid value and it is substituted by 0. Refer to the Xerox printer's Print Description Language Reference manual for further information.

System Action: The application continues processing.

Recommended User Action: Select a proper value and re-run the application.

6040 RECORD PREAMBLE specification invalid, 0 substituted

Message name:	WNG_RECPREAM
Message Meaning:	The Length specification in the PREAMBLE parameter of the RECORD statement has an invalid value and it is substituted by 0. Refer to the Xerox printer's Print Description Language Reference manual for further information.
System Action:	The application continues processing.
Recommended User Action:	Select a proper value and re-run the application.

6041 Invalid RECORD FORMAT parameter Parameter_Value, BIN substituted.

Parameter_Value	Value of the invalid Type specification.
Message name:	WNG_BADRFMT
Message Meaning:	The Type specification in the FORMAT parameter of the RECORD statement has an invalid value and it is substituted by BIN value. Refer to the Xerox printer's Print Description Language Reference manual for further information.
System Action:	The application continues processing.
Recommended User Action:	Select a proper value and re-run the application.

6042 Invalid BLOCK FORMAT parameter Parameter_Value, BIN substituted

Parameter_Value	Value of the invalid Options specification.
Message name:	WNG_BADBFMT
Message Meaning:	The Options specification in the FORMAT parameter of the BLOCK statement has an invalid value and it is substituted by BIN value. Refer to the Xerox printer's Print Description Language Reference manual for further information.
System Action:	The application continues processing.
Recommended User Action:	Select a proper value and re-run the application.

6043 RECORD constant invalid.

Message name:	ERR_BADRCONST
Message Meaning:	The Sc specification in the CONSTANT parameter of the RECORD statement has an invalid value. Refer to the Xerox printer's Print Description Language Reference manual for further information.
System Action:	The application continues processing.
Recommended User Action:	Select a proper value and re-run the application.

6045 Block ADJUST specification is invalid, 0 substituted.

Message name: WNG_BLKADJERR

Message Meaning: The Value specification in the ADJUST parameter of the BLOCK statement has an invalid value. Refer to the Xerox printer's Print Description Language Reference manual for further information.

System Action: The application continues processing.

Recommended User Action: Select a proper value and re-run the application.

6046 Block LMULT specification is invalid, 1 substituted

Message name: WNG_BLKLMULTERR

Message Meaning: The value specified in the LMULT parameter of the BLOCK statement has an invalid value. Refer to the Xerox printer's Print Description Language Reference manual for further information.

System Action: The application continues processing.

Recommended User Action: Select a proper value and re-run the application.

6047 Block LTHFLD specification is invalid, 0 substituted

Message name: WNG_BLKLTHFLD

Message Meaning: The Size specification in the LTHFLD parameter of the BLOCK statement has an invalid value and it will be replaced by 0. Refer to the Xerox printer's Print Description Language Reference manual for further information.

System Action: The application continues processing.

Recommended User Action: Select a proper value and re-run the application.

6048 Block OFFSET specification is invalid, 0 substituted

Message name: WNG_BLKOFFSET

Message Meaning: The value specified in the OFFSET parameter of the BLOCK statement has an invalid value and it will be replaced by 0. Refer to the Xerox printer's Print Description Language Reference manual for further information.

System Action: The application continues processing.

Recommended User Action: Select a proper value and re-run the application.

6049 Block POSTAMBLE specification is invalid, 0 substituted

Message name: WNG_BLKPOSTA

Message Meaning: The value specified in the POSTAMBLE parameter of the BLOCK statement has an invalid value and it will be replaced by 0. Refer to the Xerox printer's Print Description Language Reference manual for further information.

System Action: The application continues processing.

Recommended User Action: Select a proper value and re-run the application.

6050 Block PREAMBLE specification is invalid, 0 substituted

Message name: WNG_BLKPREAM

Message Meaning: The Length specification in the PREAMBLE parameter of the BLOCK statement has an invalid value, and it will be replaced by 0. Refer to the Xerox printer's Print Description Language Reference manual for further information.

System Action: The application continues processing.

Recommended User Action: Select a proper value and re-run the application.

6051 Block LENGTH Specification invalid, 1330 substituted

Message name: WNG_BLKLENGTH

Message Meaning: The value specified in the LENGTH parameter of the BLOCK statement has an invalid value and it will be replaced by 1330. Refer to the Xerox printer's Print Description Language Reference manual for further information.

System Action: The application continues processing.

Recommended User Action: Select a proper value and re-run the application.

6052 ITEXT Constant invalid.

Message name: WNG_ITEXT

Message Meaning: One or more values specified in the ITEXT parameter of the MESSAGE command have invalid values. Refer to the Xerox printer's Print Description Language Reference manual for further information.

System Action: The application continues processing.

Recommended User Action: Select a proper value and re-run the application.

6053 OTEXT Constant invalid.

Message name:	WNG_OTEXT
Message Meaning:	One or more specifications in the OTEXT parameter of the MESSAGE command have invalid values. Refer to the Xerox printer's Print Description Language Reference manual for further information.
System Action:	The application continues processing.
Recommended User Action:	Select a proper value and re-run the application.

6054 RTEXT Parameter_Name invalid.

Parameter_Name	This is one of the parameters in RTEXT statement (Constant, Line Number, Column or Font Index).
Message name:	WNG_RTEXT
Message Meaning:	The value specified in the Parameter_Name is invalid. Refer to the Xerox printer's Print Description Language Reference manual for further information.
System Action:	The application continues processing.
Recommended User Action:	Select a proper value and re-run the application.

6056 DEPT constant sc invalid

sc	DEPT specification.
Message name:	WNG_DEPT
Message Meaning:	The value specified in the DEPT parameter of the ACCT statement has an invalid value. Refer to the Xerox printer's Print Description Language Reference manual for further information.
System Action:	The application continues processing without a DEPT specification.
Recommended User Action:	Select a proper value and re-run the application.

6057 USER constant sc invalid

sc	Destination tray for the accounting page.
Message name:	WNG_USER
Message Meaning:	The value specified in the USER parameter of the ACCT statement has an invalid value. Refer to the Xerox printer's Print Description Language Reference manual for further information.
System Action:	The application continues processing with a default value of NONE.
Recommended User Action:	Select a proper value and re-run the application.

6058 MODIFY Parameter_Name Parameter_Value is invalid.

Parameter_Name	This is one of the MODIFY statement parameter names.
Parameter_Value	Describes the invalid value.
Message name:	WNG_MODIFY
Message Meaning:	The Parameter_Name has an invalid value. Refer to the Xerox printer's Print Description Language Reference manual for further information.
System Action:	The application continues processing.
Recommended User Action:	Select the proper value and re-run the application.

6059 System catalog SystemCatalogFile open failed - proceeding without

SystemCatalogFile	Name of the system catalog file.
Message name:	ERR_SYSCATBAD
Message Meaning:	The system catalog file could not open and the application is proceeding without it. Refer to the Xerox printer's Print Description Language Reference manual for further information.
System Action:	The application continues processing.
Recommended User Action:	Verify the name of the system catalog file and re-enter it.

6060 System Catalog Entry [Entry] is invalid

Entry	The system catalog record which is in error.
Message name:	WNG_SYSCATENT
Message Meaning:	The system catalog entry could not be found. Refer to the Xerox printer's Print Description Language Reference manual for further information.
System Action:	The application continues processing.
Recommended User Action:	Verify the name of the system catalog entry and correct it. Verify that the system catalog file has not been corrupted. If corruption has occurred, restore a backup over it. If the entry in error is the only bad record in the file, it can be deleted with a standard text editor.

6061 Invalid keyword Keyword_Value in System catalog entry

Keyword_Value	Describes the invalid keyword entry.
Message name:	WNG_SYSCATENTB
Message Meaning:	The system catalog entry has an invalid keyword.
System Action:	The application continues processing.
Recommended User Action:	Determine the nature of the problem by using the parameter returned.

6062 System catalog entry is incomplete

Message name:	WNG_SYSCATENTI
Message Meaning:	Incomplete entry in system catalog. All records must have a semicolon at the end of the record.
System Action:	The application continues processing.
Recommended User Action:	Complete the system catalog entry and re-enter it.

6063 Cannot Action_Name System Catalog backup file.

Action_Name	Delete or rename.
Message name:	WNG_SYSCATBAK
Message Meaning:	System catalog backup file cannot be deleted or renamed.
System Action:	The application continues processing.
Recommended User Action:	Verify the name of the file you tried to rename or delete. Verify that the subdirectory in the path exists. Verify that the file is not read-only, and that the user has sufficient authority to delete and rename the file.

6064 I/O error error_number, Reason reading File_Type file FileName, message

error_number	Number of I/O error.
Reason	Reason code describing the error that occurred.
File_Type	Type of file (Input, Image, or Font configuration file).
FileName	Name of the file.
Message name:	ERR_INFIOERR
message	Message describing the error that occurred.
Message Meaning:	An internal error occurred reading from file.
System Action:	The application continues processing.
Recommended User Action:	Determine the nature of the problem by using the error descriptor message and the reason code.

6065 RPMF Config file fatal error.

Message name:	ERR_RPMFBAD
Message Meaning:	A fatal error occurred in RPMF configuration file. Refer to the Xerox Remote Print Management Facility Reference manual for further information.
System Action:	The application exits.
Recommended User Action:	Verify the parameter used in the RPMF config file, correct it and re-run the application.

6069 Font configuration file FileName open failed (error_number, Reason, message)

FileName	Name of the file.
error_number	Number of error.
Reason	Reason code describing the error that occurred.
message	Message describing the error that occurred.
Message name:	ERR_FONTBAD
Message Meaning:	An internal error occurred in the font configuration file and it could not be opened.
System Action:	The application continues processing.
Recommended User Action:	Determine the nature of the problem by using the error descriptor message and the reason code.

6070 Record Font index X FontIndex is invalid, default font substituted.

FontIndex	Describes the record font index in hexadecimal.
Message name:	ERR_BADFIX
Message Meaning:	An invalid record font index occurred, and it will be replaced by default font. Fontindex has been specified in the JDL, JDE, or a DJDE, and a list of fonts has been provided, however, the font index in a print record is larger than the number of fonts in the font list. Refer to the Xerox printer's Print Description Language Reference manual for further information on font indexing.
System Action:	The application continues processing.
Recommended User Action:	Verify the record font index, font list, font index specification and correct the error.

6071 Font name FontName invalid length Length_Value, greater than 6 characters.

FontName	Name of the font with invalid length.
Length_Value	Length of the invalid font name.
Message name:	ERR_BADFONTNAME
Message Meaning:	Font name in JSL, DJDE, or RPMF is invalid - greater than 6 characters. Xerox font names can only be six characters in length. Refer to the Xerox printer's Print Description Language Reference manual for further information.
System Action:	The application continues processing.
Recommended User Action:	Verify the length of the font name and correct it using 6 or less characters. Watch for HTAB (horizontal tab) characters in JSL, as they are not valid in JSL and, if present, may be taken as part of the font name.

6072 RPMF PAGE SIZE parameter Parameter_Number Parameter_Value is invalid.

Parameter_Number	This is the number of the RPMF PAGE SIZE parameter.
Parameter_Value	Describes the invalid value of the parameter.
Message name:	ERR_PAGESIZE
Message Meaning:	The parameter in PAGE SIZE RPMF parameter is invalid. Refer to the Xerox Remote Print Management Facility Reference manual for further information.
System Action:	The application continues processing.
Recommended User Action:	Determine the nature of the problem by using the returned parameter number.

6073 RPMF MARGIN parameter Parameter_Number Parameter_Value is invalid.

Parameter_Number	This is the number of the RPMF MARGIN parameter.
Parameter_Value	Describes the invalid value of the parameter number.
Message name:	ERR_BADMARGIN
Message Meaning:	The parameter in MARGIN RPMF parameter is invalid. Refer to the Xerox Remote Print Management Facility Reference manual for further information.
System Action:	The application continues processing.
Recommended User Action:	Determine the nature of the problem by using the returned parameter number.

6074 File Processing Error, Unable to open file for download file FileName.FileExt error error_number message - ignoring file.

FileName	Name of the resource.
FileExt	Type of resource.
error_number	Reason code describing the error that occurred.
message	Message describing the error that occurred.
Message name:	ERR_FILEDLBAD
Message Meaning:	An internal error occurred in the file. Processing cannot open the destination file for a Xerox resource file that is embedded in the print file using a FILE DJDE. Refer to the Xerox printer's Print Description Language Reference manual for further information on the FILE DJDE command.
System Action:	The application ignores the indicated file and continues processing.
Recommended User Action:	Determine the nature of the problem by using the error descriptor message and the reason code errno. Verify that the subdirectory specified for the file type being downloaded is correct.

6075 CATALOG IncludeName not found in current JSL.

IncludeName

Message name:	ERR_INCLUDENF
Message Meaning:	Refer to the Xerox printer's Print Description Language Reference manual for further information.
System Action:	The application continues processing without the included statements.
Recommended User Action:	Correct the error in the JSL file and re-run the application.

6076 Include name IncludeName is too long Length characters.

IncludeName	The name entry in the INCLUDE statement.
Length	Length of the name entry.
Message name:	ERR_INCLUDEBS
Message Meaning:	The name entry in the INCLUDE statement is too long. Refer to the Xerox printer's Print Description Language Reference manual for further information.
System Action:	The application continues processing.
Recommended User Action:	Verify the INCLUDE name length.

6077 Online Record_Type data record missing terminator X Terminator_Parameter, found X Terminator_Value

Record_Type	Type of record (Image or file).
Terminator_Parameter	Terminating character that should be present in hexadecimal.
Terminator_Value	Terminating character found in hexadecimal.
Message name:	ERR_ONLIMGTM
Message Meaning:	ONLINE Record_Type data record does not have correct terminating character for Interleaved or Batch graphic image records. Refer to the Xerox printer's Print Description Language Reference manual for further information.
System Action:	The application continues processing.
Recommended User Action:	Verify that the file has been correctly created and transferred to the system. Verify that the application should be using the specified JSL. Ensure that the record length and format is specified correctly.

6078 Font Number Font_Number is invalid, only List_NumberFonts fonts currently in font list, default font substituted.

Font_Number	Invalid number of the font.
List_NumberFonts	Number of fonts in the current list.
Message name:	ERR_BADFONTNUM
Message Meaning:	Font number invalid - out of range of current font list. Refer to the Xerox printer's Print Description Language Reference manual for further information.
System Action:	The application continues processing.
Recommended User Action:	Verify the font number and re-enter the proper value. The font list may be incorrect. In metacode applications the .FRM provides a portion of the font list, so ensure that the proper form has been provided. Verify that the correct font index values are in the print records.

6079 PDE PDEName not found.

PDEName	Name of the PDE being requested.
Message name:	WNG_NOPDE
Message Meaning:	PDE cannot be found in current JSL or in system catalog, or in a like named JSL file. Refer to the Xerox printer's Print Description Language Reference manual for further information.
System Action:	The application continues processing.
Recommended User Action:	Verify the PDE name is correct and that the source JSL for the PDE is in the JSL directory or path. If it is an "external PDE", then ensure that there is an entry in the system catalog for the PDE that points to the JSL file which contains the source for this PDE.

6080 PCC table PCCTableName not found.

PCCTableName	Name of the PCC table.
Message name:	WNG_NOPCC
Message Meaning:	The PCCTYPE specified cannot be found in current JSL or in the system catalog. Refer to the Xerox printer's Print Description Language Reference manual for further information.
System Action:	The application continues processing.
Recommended User Action:	Verify the PCCTYPE name is valid and that the table is available in the JSL.

6081 Default PCC table DefaultName not found.

DefaultName	Name of the default PCC table.
Message name:	WNG_NODFLTPCC
Message Meaning:	Default PCC Table can not be found in current JSL or in system catalog. Refer to the Xerox printer's Print Description Language Reference manual for further information.
System Action:	The application continues processing.
Recommended User Action:	Verify the PCCTYPE name is valid, and that the table is available in the JSL. System tables are defined in the ZZZRES.JSL file. Ensure that it is in one of the JSLPATH subdirectories.

6082 CODE table TableName not found.

TableName	Name of the CODE table.
Message name:	WNG_NOXLTAB
Message Meaning:	CODE table can not be found. Refer to the Xerox printer's Print Description Language Reference manual for further information.
System Action:	The application continues processing.
Recommended User Action:	Verify the CODE Table name in the JSL and correct it.

6083 CRITERIA entry Parameter_Value not found.

Parameter_Value	This is the CRITERIA table value.
Message name:	WNG_NOCRI
Message Meaning:	The CRITERIA table entry could not find. Refer to the Xerox printer's Print Description Language Reference manual for further information.
System Action:	The application continues processing.
Recommended User Action:	Verify the CRITERIA table entry and correct it.

6084 Syntax Error in statement, keyword or equal sign missing CommandName

CommandName	This is the command that contains the syntax error.
Message name:	ERR_BADTOKEN
Message Meaning:	A syntax error found in statement, keyword or equal sign missing in the command Command. Refer to the Xerox printer's Print Description Language Reference manual for further information.
System Action:	The application continues processing.
Recommended User Action:	Verify the syntax, correct the bad statement and re-run the application.

6085 Test Criteria Parameter_Value is invalid.

Parameter_Value	This is the TEST parameter value.
Message name:	ERR_BADTEST
Message Meaning:	TEST criteria parameter has an invalid value. Refer to the Xerox printer's Print Description Language Reference manual for further information.
System Action:	The application continues processing.
Recommended User Action:	Verify the TEST value, correct the bad statement and re-run the application.

6086 PCC ASSIGN parameter Parameter_Value is invalid

Parameter_Value	Describes the invalid parameter value.
Message name:	ERR_BADPCCASS
Message Meaning:	The PCC ASSIGN parameter has an invalid value. Refer to the Xerox printer's Print Description Language Reference manual for further information.
System Action:	The application continues processing.
Recommended User Action:	Verify the PCC ASSIGN parameter, correct the bad statement, and re-run the application.

6087 Repeat count in text string invalid Parameter_Value

Parameter_Value	Describes invalid value.
Message name:	ERR_BADREPEAT
Message Meaning:	A text string specification using a repeat count in brackets has an error in it. Refer to the Xerox printer's Print Description Language Reference manual for further information.
System Action:	The application continues processing.
Recommended User Action:	Verify the syntax, correct the bad statement, and re-run the application.

6088 CME in Invalid sequence at line LineNumber Column ColumnNumber

LineNumber	This is the number of the line where the invalid sequence occurred.
ColumnNumber	This is the number of the column where the invalid sequence occurred.
Message name:	ERR_CMESEQ
Message Meaning:	An error occurred due to an invalid sequence at line LineNumber Column ColumnNumber. Refer to the Xerox printer's Print Description Language Reference manual for further information.
System Action:	The application continues processing.
Recommended User Action:	Determine the nature of the problem by using the parameter returned. Verify the syntax, correct the bad statement, and re-run the application.

6089 Image header in IMG ImageName file FileName is invalid, Interpress not found.

ImageName	Name of the image.
FileName	Name of the image file.
Message name:	WNG_BADIMGHDR
Message Meaning:	Image header invalid. There are a number of tests which an image header must pass to be considered correct. The "Interpress" text string was not found. Refer to the Interpress Reference Manual for further information.
System Action:	The application continues processing without the image.
Recommended User Action:	Validate the format of the image file. It may have been corrupted. Correct it and re-run the application.

6090 Image file FileName open failed (error_number, Reason, message)

FileName	Name of the image file.
error_number	Number of the error.
Reason	Reason code describing the error that occurred.
message	Message describing the error that occurred.
Message name:	ERR_MISSIMG
Message Meaning:	An error occurred in the IMAGE file. It could not be opened and is probably missing. Refer to the Xerox printer's Print Description Language Reference manual for further information.
System Action:	The application ignores the image and continues processing.
Recommended User Action:	Determine the nature of the problem by using the error descriptor message and the reason code. Correct it and re-run the application.

6091 Looking for Page Interleaved Graphic on page PageNumber

PageNumber	Number of the page.
Message name:	WNG_PILGRAPHS
Message Meaning:	Page Interleaved graphics must be found in the print file after the page transition. This is a warning that the image is being scanned for. Refer to the Xerox printer's Print Description Language Reference manual for further information.
System Action:	The application continues processing and looking for the missing image file. If it finds the image file on the succeeding print records, then normal processing will resume.
Recommended User Action:	One occurrence of this message is okay as it is informational, however, if an image cannot be found, this message will be issued repeatedly. If this happens, then it may be possible that an image is missing from the print file.

6092 Looking for Page Interleaved Graphic, ignored print line.

Message name:	WNG_PILGRAPHI
Message Meaning:	Page Interleaved graphics must be found in the print file after the page transition. A print line has been ignored searching for Page Interleaved graphic after page transition. Refer to the Xerox printer's Print Description Language Reference manual for further information.
System Action:	The application continues processing, looking for the missing image file. If it finds the image file on the succeeding print records, then normal processing will resume.
Recommended User Action:	One occurrence of this message is okay, as it is informational, however, if an image cannot be found this message will be issued repeatedly. If this happens, then it may be possible that an image is missing from the print file.

6093 Premature End of File took place while Looking for Page Interleaved Graphic

Message name:	WNG_PILGRAPHEOF
Message Meaning:	Premature end of file occurred searching for Page Interleaved graphic after page transition. Refer to the Xerox printer's Print Description Language Reference manual for further information.
System Action:	The application continues processing.
Recommended User Action:	If this happens, then it may be possible that an image is missing from the print file. If the print file was truncated during transfer, then it may have cut off the image. Check the output for correctness.

6094 Unable to find document interleaved GRAPHIC Parameter_Value

Parameter_Value	Name of the document interleaved GRAPHIC.
Message name:	ERR_IMGDIL
Message Meaning:	Document interleaved graphic was not found, defaulting to Random mode graphic. Refer to the Xerox printer's Print Description Language Reference manual for further information.
System Action:	The application continues processing. It will look for a random mode image in the image subdirectories.
Recommended User Action:	Verify document interleaved graphic image is in the print file. Also, verify that the correct PCC table is being used, as a missing page transition could also cause this to occur.

6100 RPMF parameter keyword Keyword_Value is unsupported.

Keyword_Value	Name of the unsupported keyword.
Message name:	WNG_UNRPMF
Message Meaning:	RPMF parameter keyword is not applicable. Refer to the Xerox Remote Print Management Facility Reference manual for further information.
System Action:	The application continues processing.
Recommended User Action:	Verify the parameter keyword and re-enter it.

6101 XFONT font table parameter keyword Keyword_Value is unsupported.

Keyword_Value	Name of the unsupported keyword.
Message name:	WNG_UNXFONT
Message Meaning:	The parameter keyword is not recognized in XFONT table.
System Action:	The application continues processing.
Recommended User Action:	Verify the XFONT font table parameter keyword and re-enter the proper value.

6102 Invalid Orientation in XFONT statement Parameter_Value, PORTRAIT substituted.

Parameter_Value	Value of the invalid orientation.
Message name:	WNG_UNFORNT
Message Meaning:	An invalid orientation found in XFONT statement and it will be substituted by PORTRAIT.
System Action:	The application continues processing.
Recommended User Action:	Verify the orientation in the XFONT statement and re-enter the proper value.

6103 file Font_FileName is not a supported Xerox font.

Font_FileName	Name of the file.
Message name:	WNG_BADFNTFILE
Message Meaning:	The file does not recognize the Xerox font. Refer to the Xerox printer's Print Description Language Reference manual for further information.
System Action:	The application continues processing.
Recommended User Action:	Verify the file name and the contents of the Xerox font file. It may have been corrupted during file transfer.

6104 Cannot Find converted font file FontFileName for font FontName

FontFileName	Name of the converted font file.
FontName	Name of the font.
Message name:	ERR_FNTFIND
Message Meaning:	The converted font file could not be found and it will be substituted by the default font. The font could not be converted to the target format. There should be other messages above this message which explains the reason for the conversion failure.
System Action:	The application continues processing.
Recommended User Action:	Refer to the detailed problem explanation messages and follow the actions for those messages.

6105 Cannot open FontType font file FontFileName

FontType	Name of the font Type (PCL, converted, converted dim).
FontFileName	Name of the font file.
Message name:	ERR_FNTOPEN
Message Meaning:	The converted font file could not be opened and it will be substituted by the default font. The converted target format font file cannot be opened for reading. There should be other messages above this message which explains the reason for the conversion failure.
System Action:	The application continues processing.
Recommended User Action:	Refer to the detailed problem explanation messages and follow the actions for those messages.

6106 PFONT parameter Parameter_Name is missing on XFONT statement for font FontName

Parameter_Name	The name of the missing parameter.
FontName	Name of the font.
Message name:	WNG_PFONTMIS
Message Meaning:	The PFONT parameter is missing on XFONT statement.
System Action:	The application continues processing without this font being mapped.
Recommended User Action:	Verify that PFONT parameter has a value and re-enter it.

6107 RECORD LENGTH parameter is invalid reclen.

reclen	Record length specification.
Message name:	WNG_BADRECLEN
Message Meaning:	The parameter LENGTH in the RECORD statement has an invalid value. Refer to the Xerox printer's Print Description Language Reference manual for further information.
System Action:	The application continues processing.
Recommended User Action:	Select the proper value and re-run the application.

6108 VFU table TableName name is invalid.

TableName	Name of the VFU table.
Message name:	WNG_BADVFUNAME
Message Meaning:	The VFU table has an invalid name. Refer to the Xerox printer's Print Description Language Reference manual for further information.
System Action:	The application continues processing.
Recommended User Action:	Verify the VFU table name and re-run the application.

6109 VFU table TableName not found.

TableName	Name of the VFU table.
Message name:	WNG_VFUTABLEMIS
Message Meaning:	The VFU table could not be found in the JSL library provided.
System Action:	The program continues processing using the default VFU table. The output will probably be incorrect.
Recommended User Action:	Ensure that you have specified the correct JSL library name and that the correct JSL files are in the JSLDIR or JSLPATH specified. If the VFU is not defined in the current JSL file, you may have to add an entry to the System Catalog (SYSCATLG.TAB) file. This can be done with the PDL program or with a text editor such as Notepad.

6110 Default TCODE table TableName not found.

TableName	Name of the TCODE table.
Message name:	WNG_TCODEMIS
Message Meaning:	The TCODE table required could not be found. Refer to the Xerox printer's Print Description Language Reference manual for further information.
System Action:	The application continues processing.
Recommended User Action:	Verify TCODE table name and re-enter it.

6111 Invalid input specification Parameter_Value in TCODE statement.

Parameter_Value	The value of the input specification.
Message name:	WNG_BADPTCODE
Message Meaning:	The input specification parameter in TCODE statement has an invalid value. Refer to the Xerox printer's Print Description Language Reference manual for further information.
System Action:	The application continues processing.
Recommended User Action:	By using the invalid input specification returned you could select a valid value and re-run the application.

6112 No Constant in TABLE command.

Message name:	ERR_CNSTABLEMIS
Message Meaning:	The required constant in the TABLE statement is missing. Refer to the Xerox printer's Print Description Language Reference manual for further information.
System Action:	The application continues processing.
Recommended User Action:	Select a proper value and re-run the application.

6113 Invalid DJDE SIDE parameter Parameter_Value

Parameter_Value	Invalid value in the SIDE parameter.
Message name:	ERR_BADPDJDE
Message Meaning:	The SIDE parameter in the DJDE statement has an invalid value. Refer to the Xerox printer's Print Description Language Reference manual for further information.
System Action:	The application continues processing.
Recommended User Action:	Select a valid value in the SIDE parameter and re-run the application.

6114 Previous IMG is incomplete.

Message name:	ERR_IMGPREV
Message Meaning:	An GRAPHIC DJDE sentinel has been encountered in the print data, but the previous image which is being read is incomplete. Refer to the Xerox printer's Print Description Language Reference manual for further information on interleaved graphics.
System Action:	The application continues processing without the image.
Recommended User Action:	Verify that the print data has not been corrupted during transfer. Check to see if an image file has been truncated for some reason.

6115 DJDE BATCH parameter Parameter_Value invalid.

Parameter_Value	Invalid value in the BATCH parameter.
Message name:	ERR_BADGRPHBAT
Message Meaning:	The BATCH parameter in the DJDE statement has an invalid value. Refer to the Xerox printer's Print Description Language Reference manual for further information.
System Action:	The application continues processing.
Recommended User Action:	Select a valid value in the BATCH parameter and re-run the application.

6116 DJDE CANCEL of non-active GRAPHIC Parameter_Value

Parameter_Value	Non-active GRAPHIC.
Message name:	ERR_GRPHCANCEL
Message Meaning:	An error occurred during the execution of the DJDE CANCEL command. Refer to the Xerox printer's Print Description Language Reference manual for further information.
System Action:	The application continues processing.
Recommended User Action:	Verify the print data to ensure that the proper GRAPHICS DJDEs are included.

6117 CME CME_Name is missing.

CME_Name	The name of the CME
Message name:	WNG_CMEMIS
Message Meaning:	The CME could not be found. Refer to the Xerox printer's Print Description Language Reference manual for further information.
System Action:	The application continues processing.
Recommended User Action:	Verify that the CME name is correct and that the proper JSL file is being used. Select a proper value and re-run the application.

6118 File Processing Error, Label invalid - ignoring file

Message name:	ERR_BADFILELBL
Message Meaning:	An error occurred in processing a FILE DJDE due to an invalid label record. The file(s) will be ignored. Refer to the Xerox printer's Print Description Language Reference manual for further information on the use of the FILE DJDE.
System Action:	The program continues processing without the FILE(s). The output will probably be incorrect.
Recommended User Action:	Verify the label records in the files embedded with the FILE DJDE.

6119 FILE is Processing file FileName.

FileName	Name of the Xerox resource file being downloaded.
Message name:	ERR_FILEPROC
Message Meaning:	The Xerox resource file is being downloaded from the print stream when a FILE DJDE was encountered. Refer to the Xerox printer's Print Description Language Reference manual for further information.
System Action:	The application continues processing.
Recommended User Action:	This is an informational message and requires no user action.

6120 FILE DJDE Processing Error, FileName OVERFLOW - EXCESS CARD writing.

FileName	Name of the file currently being downloaded from a FILE DJDE.
Message name:	ERR_FILEOVRF
Message Meaning:	An error occurred while processing a FILE DJDE due to file overflow. The count of records allowed by the FILE DJDE specification was exceeded. Refer to the Xerox printer's Print Description Language Reference manual for further information on the FILE DJDE.
System Action:	The application continues processing.
Recommended User Action:	The application program which generated the FILE DJDE should be corrected to put the proper record count in the DJDE and the application re-run.

6121 FILE is Processing Error, Card Images not supported - ignoring file

Message name:	ERR_UNSCARDIMG
Message Meaning:	An error occurred in processing a FILE DJDE. The card image option is not currently supported and it will be ignored.
System Action:	The program continues processing without the downloaded file. The output may be incorrect.
Recommended User Action:	Use an alternative method of downloading Xerox resource files.

6122 FILE is Processing Error, FileName File Pointer NULL.

FileName	Name of the file currently being downloaded.
Message name:	ERR_FILEPNTR
Message Meaning:	An error occurred due to a NULL pointer in FileName.
System Action:	The application continues processing.
Recommended User Action:	This problem may have been caused by an invalid FILE DJDE. Please verify the FILE DJDE and files to ensure they are correct. If they appear to be correct, contact LRS technical support staff for more information.

6123 No Image control block is available for header

Message name:	ERR_IMGCTRLAVLB
Message Meaning:	No Image control block is available for header as the pCurrentImageCB field is NULL.
System Action:	The application continues processing.
Recommended User Action:	This problem may have been caused by an invalid interleaved image DJDE. Please verify the GRAPHICS and IMAGE DJDEs are correct and ensure that the image files are correct. If they appear to be correct, contact LRS technical support staff for more information.

6124 Unable to open IMG output file FileName.

FileName	Name of the image output file.
Message name:	ERR_IMGOFILE
Message Meaning:	The requested output file could not be opened because it cannot be created.
System Action:	The application continues processing.
Recommended User Action:	Verify the output image file name. Check to see that the IMAGETEMPDIR subdirectory exists. If not create it or modify the IMAGETEMPDIR in the configuration file and re-run the application.

6125 Invalid Image Header

Message name:	ERR_BADIMGH
Message Meaning:	An error occurred because an image header has an invalid value. The image header is invalid. There are a number of tests which an image header must pass to be considered correct. One of the tests failed. Refer to the Interpress Reference manual for further information.
System Action:	The application continues processing without the image.
Recommended User Action:	Validate the format of your image file. It may have been corrupted. Correct it and re-run the application.

6126 I/O error writing Image file

Message name:	ERR_IOIMGW
Message Meaning:	An I/O error occurred writing an image file, while processing an interleaved graphic image. The problem likely occurred because there is no space available on the disk drive specified by IMAGETEMPDIR in the configuration file, or there is a permanent error on this disk drive.
System Action:	The application continues processing, attempting to write to the file.
Recommended User Action:	Either clear the error condition on the hard disk or specify another disk drive in the IMAGETEMPDIR parameter.

6127 Document interleave image not found for image ImageName

ImageName	Name of the image file.
Message name:	ERR_IMGDOCMIS
Message Meaning:	The document interleave image requested could not be found for image ImageName. The image is either not in the print file, or is out of sequence. Refer to the Xerox printer's Print Description Language Reference manual for further information on interleaved graphics.
System Action:	The application continues processing.
Recommended User Action:	Verify the document interleaved image position and format and re-run the application.

6128 Premature end of file (error_number, Reason) reading Image file FileName due to message.

error_number	Number of I/O error.
Reason	Reason code describing the error that occurred.
FileName	Name of the image file.
message	Message describing the error that occurred.
Message name:	ERR_EOFIMGFILER
Message Meaning:	An error occurred reading image file due to premature end of file.
System Action:	The application continues processing.
Recommended User Action:	You can determine the nature of the problem by using the error descriptor message and the reason code.

6129 Font file size Fontlength_Value is incorrect, should be Fontlength.

Fontlength_Value	The length of the font file.
Fontlength	The font's length according to the header.
Message name:	WNG_BADFNTSIZE
Message Meaning:	The font file size requested is out of range, it should be Fontlength.
System Action:	If the Fontlength_Value is larger than the Fontlength value, then the file may have been padded during file transfer, and processing continues normally. If the Fontlength_Value is smaller than Fontlength, then the font file has likely been truncated during transfer, and the file will be ignored.
Recommended User Action:	Verify the reason for the font file size differences. If the file was truncated, obtain a new corrected file and re-run the application.

6130 System catalog resource name ResourceName is too large, truncating

ResourceName	Name of the system catalog resource.
Message name:	WNG_SYSCATRNAME
Message Meaning:	The system catalog resource name must be 6 characters or less. The excess characters will be ignored. Refer to the Xerox printer's Print Description Language Reference manual for further information on the Xerox resource names.
System Action:	The application continues processing.
Recommended User Action:	Correct the system catalog resource name using a text editor and re-run the application.

6131 CME Font FontNumber is invalid, only List_NumberFonts fonts currently in font list, default font substituted.

FontNumber	This is the CME constant font.
List_NumberFonts	Number of font in PDE.
Message name:	ERR_BADCMEFNT
Message Meaning:	The CME constant font requested is not in the font list and it will be replaced by default font. There are only List_NumberFonts fonts in the PDE font list. Refer to the Xerox printer's Print Description Language Reference manual for further information on CME usage.
System Action:	The application continues processing.
Recommended User Action:	Correct the CME font number and re-run the application.

6135 Memory overwrite Return_Code for buffer bufferSize bytes at Buffer.

Return_Code	Number of bytes reading.
bufferSize	Size of the buffer.
Buffer	Memory control block.
Message name:	ERR_MEMOVWERR
Message Meaning:	An memory overwrite error was detected before any damage was done. This is just a warning message.
System Action:	The application continues processing.
Recommended User Action:	Report the message to LRS technical support staff.

6136 Memory deallocation error-buffer count negative for bufferSize bytes at Buffer.

bufferSize	Size of the buffer.
Buffer	Memory control block.
Message name:	ERR_MEMNEGERR
Message Meaning:	An memory overwrite error was detected before any damage was done. This is just a warning message.
System Action:	The application continues processing.
Recommended User Action:	Report the message to LRS technical support staff.

6137 File is too big to keep in storage.

Message name:	WNG_TOOBIGFILE
Message Meaning:	A font file has been calculated to be too large to fit in memory.
System Action:	The application continues processing without this font file.
Recommended User Action:	Verify the contents and size of the font file. If it is corrupted, obtain a new copy and verify its size and contents. Re-run the application.

6138 NULL pointer passed to fPrintLogoStats

Message name:	WNG_POINTERR
Message Meaning:	The SAMPLE program has been unable to sample a logo file.
System Action:	The application continues processing.
Recommended User Action:	Verify that the logo file being sampled is in the correct format. If not, obtain a new copy of the logo (.LGO) Xerox resource file.

6140 ****CRITICAL ERROR Cannot Open converted substituted font file FontFile

FontFile	Name of the default font file for the converted font.
Message name:	ERR_DFLTFNTOPEN
Message Meaning:	The default converted font file could not be opened due to an internal error.
System Action:	The application exits with the return name of the default converted font file.
Recommended User Action:	Check to see that the default converted font file was not corrupt or deleted. If it is corrupt or deleted, obtain a new copy and re-run the application.

6141 XFONT WIDTHS Parameter value parameter invalid.

parameter	text specified in the WIDTHS= parameter.
Message name:	ERR_MEMNEGERR
Message Meaning:	An error was detected in the WIDTHS parameter of an XFONT command line in the font table file.
System Action:	The application continues processing using a default value.
Recommended User Action:	Correct the XFONT command in the font table file and re-run the application.

6145 XFONT statement is missing for font FontName

FontName	Name of the font.
Message name:	WNG_XFONTMIS
Message Meaning:	An XFONT statement is missing.
System Action:	The application continues processing without this font being mapped.
Recommended User Action:	Add XFONT statement for the font.

7001 Imagefile conversion failed for image ImageName file not found FileName could not be found.

ImageName	The name of the image.
FileName	The name of the image file.
Message name:	ERR_IMGCVT
Message Meaning:	An error occurred during conversion of image and the converted image file could not be found.
System Action:	The application continues processing without the image file.
Recommended User Action:	Verify the image file integrity and re-run the application. The messages preceding this message should provide some information about why the image could not be converted.

7002 FNT/LGO file conversion failed for file FileName, completion is Bytes_Read, reason code = Error_number: message

FileName	Name of the font file.
Bytes_Read	Number of bytes reading.
Error_number	Operating system code that describes the error that occurred.
message	Operating system message describing the error that occurred.
Message name:	ERR_FNTCVT
Message Meaning:	An error occurred in file conversion for the LGO or FNT file FileName.
System Action:	The application continues processing.
Recommended User Action:	You can determine the nature of the problem by using the error descriptor message.

7003 Font index FontIndex is invalid, Default PDE font is being substituted.

FontIndex	The value of the font index.
Message name:	WNG_FNTSUBS
Message Meaning:	The font index has an invalid value and it will be substituted by default PDE font. Refer to the Xerox printer's Print Description Language Reference manual for further information.
System Action:	The application continues processing, using the default font for this print line.
Recommended User Action:	Verify the font index and PDE font list are synchronized. Correct the one in error and re-run the application.

7004 Error Return_Code writing to PCL output file.

Return_Code	Number of code.
Message name:	ERR_PCLIOERR
Message Meaning:	An I/O error occurred writing to the PCL output file. The problem occurred because there is no space available on the disk drive specified for the output PCL file, or there is a permanent error on this disk drive.
System Action:	The application continues processing, attempting to write to the file.
Recommended User Action:	Determine the nature of the problem by using the Return_Code. Either clear the error condition on the hard disk or specify another disk drive in the output file parameter.

7005 Invalid font header for XeroxFontName in PCL font file FileName

XeroxFontName	The name of the Xerox font.
FileName	The name of the PCL file.
Message name:	ERR_BADFNTHDR
Message Meaning:	An error occurred in PCL font file due to an invalid font header.
System Action:	The application continues processing.
Recommended User Action:	Verify the font header format. If it has been corrupted, obtain a new copy of the FNT file, delete the PCL font file, and re-run the application.

7006 Invalid Font Table Command CommandName - Ignored.

CommandName	Name of the command.
Message name:	WNG_BADFTE
Message Meaning:	The Font Table command is not recognized and it will be ignored.
System Action:	The application continues processing.
Recommended User Action:	Verify the Font Table command and re-enter it and re-run the application.

7007 Invalid Type parameter Parameter_Value in Symbol Set definition is invalid.

Parameter_Value	The value of the Type parameter.
Message name:	WNG_BADSSTYP
Message Meaning:	The type parameter in the symbol set definition has an invalid value.
System Action:	The application continues processing.
Recommended User Action:	Verify the type parameter, correct it and re-run the application.

7008 Symbol set file member name missing for Symbol Set pSymbolSetName

pSymbolSetName	Name of the symbol set.
Message name:	ERR_SSTBAD
Message Meaning:	The symbol set file member name for symbol set could not be found.
System Action:	The application continues processing.
Recommended User Action:	Verify the symbol set file member name and re-run the application.

7009 Invalid Character code in Unicode table pSymbolSet_Member record Buffer.

pSymbolSet_Member	Member of the symbol set.
Buffer	The record from the unicode table which contains the error.
Message name:	ERR_UNIBAD
Message Meaning:	The character code in Unicode table record buffer has an invalid value.
System Action:	The application continues processing without the character definition.
Recommended User Action:	Verify the character code in the Unicode table and re-enter it.

7010 Target FONT FontName on XFONT is not defined.

FontName	Name of the font.
Message name:	WNG_FONTMAP
Message Meaning:	The font character requested is not in target font symbol set. Either an additional font character needs to be added to the unicode table or the target font is insufficient to match the Xerox font's character set.
System Action:	The application continues processing, mapping the character to a space.
Recommended User Action:	Verify the font character. If this character is in the target font, then add it to the symbol set for that font. If not, find a font that has the character in it and use this font instead.

7011 PCLFONT Parameter_Name Parameter value Parameter_Value is invalid.

Parameter_Name	One of the parameters in PCLFONT statement (Spacing, Style, Typeface, Location, Filename).
Parameter_Value	Value of the parameter.
Message name:	WNG_PCLFONT
Message Meaning:	The PCLFONT Parameter_Name parameter has an invalid value.
System Action:	The application continues processing.
Recommended User Action:	Correct the PCLFONT parameter value and re-run the application.

7012 Character X'XeroxCode' is not defined in mapping table for font NewFont_Name

XeroxCode	Code Xerox character in hexadecimal.
NewFont_Name	Name of the new font.
Message name:	WNG_BADCHAR
Message Meaning:	A character to be printed from a Xerox font does not have a character in the related target font set. Either an additional font character needs to be added to the unicode table or the target font is insufficient to match the Xerox font's character set.
System Action:	The application continues processing, mapping the character to a space. The output is probably missing text.
Recommended User Action:	Verify the font character, X'XeroxCode'. If this character is in the target font, then add it to the symbol set for that font. If not, then find a font that has the character in it and use this font instead.

7014 Point size is not available for font NewFont_Name, 10 substituted.

NewFont_Name	Name of the font.
Message name:	WNG_SUBFPTS
Message Meaning:	The point size requested is not available for font NewFont_Name and it will be substituted by 10. To ensure that proper font metrics are used with mapped fonts, the original Xerox font should be available for reading when the application is run. If the font is not available, and a point size has not been specified in the font table for the Xerox font, then a default of 10 points is assigned.
System Action:	The application continues processing. Check the output, as it may not be valid.
Recommended User Action:	Verify the point size for the indicated font and re-enter it, or better yet, obtain a Xerox .FNT font file and place it in one of the Xerox font subdirectories.

7015 Pitch is not specified for Fixed font NewFont_Name, 10 substituted.

NewFont_Name	Name of the font.
Message name:	WNG_SUBPITCH
Message Meaning:	The font pitch is not specified for FIXED font and it will be substituted by 10.
System Action:	The application continues processing.
Recommended User Action:	Verify the font pitch.

7016 Cannot open font file FileName for font FontName.

FileName	Name of the PCL file.
FontName	Name of the font.
Message name:	WNG_FONTOPEN
Message Meaning:	Font file could not be opened when downloading font.
System Action:	The application continues processing.
Recommended User Action:	Verify the name and path and re-enter the command.

7017 Invalid STATS keyword Keyword_Value in configuration file.

Keyword_Value	Value of the Statistics keyword.
Message name:	ERR_STATSKW
Message Meaning:	The STATS keyword in the configuration file has an invalid value.
System Action:	The application continues processing. The statistics log file will not be created.
Recommended User Action:	Verify the value of the STATS keyword and correct the configuration file and re-run the application.

7018 Unable to open Statistics file FileName, statistics will not be kept.

FileName	Name of statistics file.
Message name:	ERR_STATSFILE
Message Meaning:	The statistics file requested could not be opened and it will not be created.
System Action:	The application continues processing. The statistics log file will not be created.
Recommended User Action:	Verify the statistics file name, and ensure that the subdirectory exists. Correct the parameters and re-run the application.

7019 Command CommandName Required parameter Parameter_Name is missing.

CommandName	Name of the command.
Parameter_Name	Name of the parameter required.
Message name:	WNG_REQPARM
Message Meaning:	The parameter required on the command is missing. Refer to the Xerox printer's Print Description Language Reference manual for further information.
System Action:	The application continues processing without the parameter.
Recommended User Action:	Verify the parameter required, correct it and re-run the application.

7020 Memory Deallocation error-Buffer not found for memory at Buffer.

Buffer	Memory control block.
Message name:	ERR_MEMERR
Message Meaning:	An error occurred in memory management - buffer or pool not found during free. A memory overwrite error was detected before any damage was done. This is just a warning message.
System Action:	The application continues processing.
Recommended User Action:	Report the message to LRS technical support staff.

7021 Invalid Character type Parameter_Value in PCL Driver.

Parameter_Value	Invalid character type of the Display Field Descriptor block.
Message name:	ERR_BADMETA
Message Meaning:	The Display Field Descriptor block contains an invalid character type. This is an error which should never occur.
System Action:	The application continues processing.
Recommended User Action:	Report the message to LRS technical support staff.

7022 DFD buffer chain header is NULL

Message name:	ERR_NODFDBUF
Message Meaning:	An internal error occurred because a DFD/TLDL buffer chain is missing. This is an error which should never occur.
System Action:	The application continues processing.
Recommended User Action:	Report the message to LRS technical support staff.

7023 Error performing seek on file FileName Error (error_number,Reason,message)

FileName	Name of the output metacode file.
error_number	Number of I/O error.
Reason	Reason code describing the error that occurred.
message	Message describing the error that occurred.
Message name:	ERR_SEEK
Message Meaning:	An error occurred seeking within a file.
System Action:	The application continues processing.
Recommended User Action:	Verify if the file has been corrupted or truncated. Verify if the disk is full or write-protected, or if user does not have sufficient access rights to the subdirectory.

7024 The above error occurred in the following command:

Message name:	WNG_CMDREF
Message Meaning:	This message precedes a printout of the command packet that contains the parameter in error.
System Action:	This message is followed by a printout of the bad command packet.
Recommended User Action:	This is an informational message.

7025 No messages from conversion program in file ErrorFile_Name

ErrorFile_Name	Name of the error file.
Message name:	WNG_NOCONVMSGS
Message Meaning:	No messages contained in file from a file conversion program.
System Action:	The application continues processing without the converted resource messages being displayed.
Recommended User Action:	This is an informational message. It usually indicates that the conversion program was not invoked due to a system problem, a missing program, or the conversion program was not in the current subdirectory or any of the PATH subdirectories.

7026 Overflow of JSLDJDE_Name segment buffer at Max_Segments segments, reallocated to (2* Max_Segments) segments.

JSLDJDE_Name	Name of the JSL or DJDE.
Max_Segments	Maximum Segment of the JSL or DJDE.
Message name:	WNG_BUFOVFLOW
Message Meaning:	The buffer memory has overflowed and it is being reallocated.
System Action:	The application continues processing.
Recommended User Action:	There is no action required by the user. This is an informational message.

7027 Unable to find character to substitute for (Escape) in font XeroxFontName

XeroxFontName	Name of the Xerox font.
Message name:	WNG_ESCSUB
Message Meaning:	There is no character available in font to map X'1B' (Escape) into. PCL fonts cannot have a character in the [Escape] character code (X'27'), however Xerox fonts can. Therefore [Escape] character codes are moved to different character code locations in the PCL font. This message indicates that all other valid character codes have characters in them, and there are no available locations for the [Escape] character to be mapped to.
System Action:	The application continues processing. If the [Escape] character code is used in the Xerox print application, the character will be mapped to a space.
Recommended User Action:	There is no action required by the user.

7028 Position_Type Dot address Cursor_Position is off page, Dot= DotAddress.

Position_Type	Type of cursor position (Portrait or Landscape).
Cursor_Position	Position X or Y of the cursor.
DotAddress	The Xerox Dot Address that was translated.
Message name:	WNG_OFFPAGE
Message Meaning:	Attempt to position cursor off page.
System Action:	The application continues processing.
Recommended User Action:	The position is moved back on to the page. Check the output for any mis-positioned text.

7029 File delete failed for file FileName, completion is Bytes_Read, reason code =reason: message.

FileName	Name and path of the file.
Bytes_Read	Number of bytes reading.
reason	Operating system code that describes the error that occurred.
message	Operating system message describing the error that occurred.
Message name:	WNG_FILEDEL
Message Meaning:	The file requested could not be deleted.
System Action:	The application continues processing.
Recommended User Action:	You can determine the nature of the problem by using the error descriptor message and the reason code.

7030 Font cannot be added to font control table

Message name:	ERR_FCNTLTABA
Message Meaning:	The font requested cannot be added to font control table.
System Action:	The application continues processing.
Recommended User Action:	Report the message to LRS technical support staff.

7031 Symbol set file SymbolSetFileName open failed for Symbol Set SymbolSet_Name (error_number, reason, message).

SymbolSetFileName	Name of the symbol set file.
SymbolSet_Name	Name of the symbol set.
error_number	Number of error.
reason	Reason code describing the error that occurred.
message	Message describing the error that occurred.
Message name:	ERR_SSTOPEN
Message Meaning:	The symbol set file for symbol set could not be opened due to error (error_number, reason, message).
System Action:	The application continues processing without the symbol set.
Recommended User Action:	You can determine the nature of the problem by using the error descriptor message and the reason code.

7044 Unable to open Resource Log file FileName

FileName	Name of Resource Log file.
Message name:	ERR_RLOGFILE
Message Meaning:	The Resource Log file requested could not be opened and it will not be created.
System Action:	The application continues processing. The Resource Log file will not be created.
Recommended User Action:	Verify the Resource Log file name and ensure that the subdirectory exists. Correct the parameters and re-run the application.

7050 IDR IDR_Name not found

IDR_Name	Name of the missing IDR object.
Message name:	WNG_NOIDR
Message Meaning:	The IDR object was not found in the current JSL member, and was not found through a search of the system catalog and JSL subdirectories.
System Action:	The application continues processing without the IDR. Proper color processing may be incorrect.
Recommended User Action:	Verify that the IDR name is spelled correctly. If so, verify it is the current JSL file. If not, does the IDR have an entry in the system catalog pointing to the JSL resource file that contains the IDR? If not, add a correct entry to the system catalog using either the PDL command or a text editor. Re-run the application.

7051 Record Ink Index Value invalid, only IndexCount Inks defined, default ink substituted

Value	The ink index value from the print record.
IndexCount	The number of inks in the current ink list (from the IDR or ILIST parameter in a DJDE).
Message name:	ERR_BADRECINKINDEX
Message Meaning:	The ink index byte in a print record exceeds the number of inks in the Ink List.
System Action:	The application continues processing with the default ink index for the print record in error. Proper color processing may be incorrect so the output should be verified.
Recommended User Action:	Verify if the IDR Ink list is in error or the print record ink index value is incorrect. Verify that the correct current JSL file is in use. Either correct the JSL or the print file and re-run the application.

7052 Specified Ink IDR_Name not found in IDR Ink list

IDR_Name	Name of the missing IDR object.
Message name:	ERR_BADINKREF
Message Meaning:	The IDR object was not found in the current IDR ink list.
System Action:	The application continues processing without the ink ref. Color processing may be incorrect.
Recommended User Action:	Verify that the IDR ILIST ink list contains the proper ink. If so, verify that the inkref name or number is valid for the IDR list. Either add the proper ink to the IDR ILIST parameter or change the Inkref IDR_Name to a valid name or number. Re-run the application.

7054 PDE length value Length invalid, PDE length should be CalcLength

Length	Length of the PDE.
CalcLength	Length that the PDE should be according to the length file inside it or the number of Fonts and Begins in the PDE.
Message name:	ERR_BADPDELEN
Message Meaning:	The length of a Xerox PDE file (or downloaded PDE) has an incorrect length. The correct length of the PDE should be CalcLength.
System Action:	The application bypasses processing the PDE and continues without it. The output will probably be incorrect.
Recommended User Action:	Verify that the PDE file has not been corrupted as this is a binary file and needs to be treated as such. Any changes to the PDE file can cause this error. Correct the bad PDE and re-run the application.

7055 No IDR Ink list specified

Message name:	ERR_BADINKREF
Message Meaning:	No IDR Ink list is specified in the JDE currently in use. Refer to the Xerox printer's Print Description Language Reference manual for further information.
System Action:	The application continues processing without the inks. Color processing may be incorrect.
Recommended User Action:	Verify that the IDR has been specified in the OUTPUT statement of the current JDE. Add the IDR list to the correct JSL file. Re-run the application.

7056 FORMS$ font is not available

Message name:	ERR_NO_FORMSFONT
Message Meaning:	LCDS to PCL was unable to find the FORM$.FNT file. A search of the font directory and font path did not find the FORM$.FNT file. This file is required for LCDS to PCL to process successfully.
System Action:	The application stops immediately without processing the input file.
Recommended User Action:	Verify that the FORM$.FNT file is properly installed in the font path. If so, ensure that the correct directories are specified in the configuration files for the font path. Correct the problem and re-run the application.

7057 Packed Color Form FRM file format is unsupported for form file Form_Name

Form_Name	Name of the form .FRM file.
Message name:	ERR_PACKEDFRM
Message Meaning:	Packed Color Form FRM file format is unsupported. This is a format of the .FRM which is created using an FDL parameter of OBJECT=COMPACT or OBJECT=ENHANCED. LCDS to PCL does not support this format of FRM files.
System Action:	The application continues without processing the bad FRM file.
Recommended User Action:	Recompile the offending form file using the FDL compiler option of OBJECT=SIMPLE and re-run the application.

7058 Output file File_name already exists, but will be overwritten.

File_name	Name of the file that is being overwritten.
Message name:	WNG_FILEOVRWRITE
Message Meaning:	The output file already exists. Depending on the value of the configuration parameter OutputFileOverwrite, the file may or may not be overwritten. This may occur due to previous executions of LCDS to PCL, or when duplicate file names are created in the dynamic file name construction algorithm specified in the OutFile parameter. This happens when index keys are duplicated in a print file when data substitution is being done in the OUTFILE file name.
System Action:	The application overwrites the file and continues processing.
Recommended User Action:	Verify the Index File FIELD commands and the OUTFILE parameter and correct the configuration file.

8000 Page margins outside of printable area of PCL printer,top(Top_Value) Bottom(Bottom_Value).

Top_Value	Value of the top margin.
Bottom_Value	Value of the bottom margin.
Message name:	WNG_PCLAREA
Message Meaning:	The page margins are outside of printable area of PCL printer.
System Action:	The application uses the default page margins and continues processing.
Recommended User Action:	Verify that the printer supports the values of each margin.

8050 Unable to open output index file FileName error(Error_Number, Reason, Message).

FileName	Name of the index file.
Error_Number	Number of error.
reason	Operating system code that describes the error that occurred.
message	Operating system message describing the error that occurred.
Message name:	WNG_BADIDXFILE
Message Meaning:	The index file FileName could not be opened due to error(Error_Number, Reason, Message).
System Action:	The application continues processing.
Recommended User Action:	Determine the nature of the problem by using the error descriptor message and the reason code.

8501 TRIGGER Statement parameter Parameter_Name=Parameter_Value invalid

Parameter_Name	One of the parameters in TRIGGER statement.
Parameter_Value	The invalid parameter value.
Message name:	WNG_BADINDEXLINE
Message Meaning:	The parameter specified in TRIGGER statement has an invalid value.
System Action:	The application continues processing.
Recommended User Action:	Verify an appropriate value for parameter and re-enter the command.

8502 Invalid keyword Parameter_Name in index command file entry

Parameter_Name	One of the parameters in index command file.
Message name:	WNG_INDEXENTB
Message Meaning:	The parameter in index command file is invalid.
System Action:	The application continues processing.
Recommended User Action:	Verify parameter and re-enter the command.

8503 TRIGGER Statement parameter Parameter_Name=Parameter_Value invalid

Parameter_Name	One of the parameters in TRIGGER statement.
Parameter_Value	The invalid parameter value.
Message name:	WNG_BADTRIGGER
Message Meaning:	The parameter specified in TRIGGER statement has an invalid value.
System Action:	The application continues processing.
Recommended User Action:	Verify an appropriate value for parameter and re-enter the command.

8505 FIELD Statement TRIGGER name not defined Parameter_Name.

Parameter_Name	The TRIGGER name in the FIELD statement.
Message name:	WNG_NOTRIGGER
Message Meaning:	The TRIGGER name is not defined in FIELD statement.
System Action:	The application continues processing.
Recommended User Action:	Verify an appropriate name for Parameter_Name and re-enter the command.

8506 INDEX Statement Field name not defined Parameter_Name.

Parameter_Name	The field name in INDEX statement, FIELD parameter.
Message name:	WNG_NOFIELDSEL
Message Meaning:	The field name is not defined in a FIELD statement.
System Action:	The application continues processing.
Recommended User Action:	Verify an appropriate name for Parameter_Name and re-enter the command.

8507 INDEX Statement Parent Index name not defined Parameter_Name.

Parameter_Name	The PARENT index name in the INDEX statement.
Message name:	WNG_NOINDEX
Message Meaning:	The index name is not defined in a previous INDEX statement.
System Action:	The application continues processing.
Recommended User Action:	Verify that the appropriate name for Parameter_Name has been used. If there is a mismatch, re-enter the command. Ensure that the sequence of the INDEX statements is correct. PARENT indexes MUST be defined prior to any references to that INDEX name as a parent. If this is the case, re-sequence the INDEX statements so that PARENT INDEX statements are prior to INDEX statements which refer to the INDEX name.

8508 FIELD Statement parameter Parameter_Name=Parameter_Value invalid

Parameter_Name	One of the parameters in FIELD statement.
Parameter_Value	The invalid parameter value.
Message name:	WNG_BADFIELD
Message Meaning:	The parameter specified in FIELD statement has an invalid value.
System Action:	The application continues processing.
Recommended User Action:	Verify an appropriate value for Parameter_Name and re-enter the command.

8600 Ink Map file InkMapFileName open failed (errnum,Reason,Errmsg).

IndexCommandFile Name	Name and path of a file that contains Ink Map commands.
errnum	Operating system code describing the error that occurred.
Reason	Reason code describing the error that occurred.
Errmsg	Operating system message describing the error that occurred.
Message name:	WNG_IMAPFILEOPEN
Message Meaning:	The Ink Map file in the message could not be opened. Either the file does not exist, or is unable to be accessed with read capability.
System Action:	The application continues processing without an Ink Map file.
Recommended User Action:	Verify that the file name and path are spelled correctly, that the file exists in the proper subdirectory, and that the user has read permission on the file.

8601 I/O error (errnum,Reason reading ink map file ErrmsgInkMapFileName).

errnum	Operating system code describing the error that occurred.
Reason	Reason code describing the error that occurred.
Errmsg	Operating system message describing the error that occurred.
IndexCommandFile Name	Name and path of a file that contains Ink Map commands.
Message name:	ERR_IMAPIOERR
Message Meaning:	The Ink Map file in the message could not be opened. Either the file does not exist or is unable to be accessed with read capability.
System Action:	The application continues processing without an Ink Map file.
Recommended User Action:	Verify that the file name and path are spelled correctly, that the file exists in the proper subdirectory, and that the user has read permission on the file.

8602 INK Statement parameter Keyword=Value invalid).

Keyword	The keyword has an invalid value specified.
Value	The invalid parameter text.
Message name:	WNG_BADINKMAPPARM
Message Meaning:	The value of the parameter specified in an INK command in the Ink Map File is invalid.
System Action:	The application continues processing without the information from the invalid parameter.
Recommended User Action:	Correct the invalid parameter specified in the Ink Map file and re-run the application.

8603 Invalid keyword Keyword in index command file entry

Keyword	The parameter keyword which is invalid.
Message name:	WNG_IMAPENTBAD
Message Meaning:	A parameter keyword specified in an INK command in the Ink Map File is invalid.
System Action:	The application continues processing without the information from the invalid parameter.
Recommended User Action:	Correct the invalid parameter specified in the Ink Map file and re-run the application.

8604 No Ink Map Entry for INK InkEntry defaulting to BLACK

InkEntry	The name of ink entry.
Message name:	WNG_NOINKMAP
Message Meaning:	An object in the print file has attempted to print but there is no entry for this color in the INK MAP file.
System Action:	The application continues processing but the object will print with the default color BLACK.
Recommended User Action:	Add an entry to the INK MAP file for the color and re-run the application.

8608 Missing resource(s). See statistics file FileName.

FileName	Name of the statistics file.
Message name:	ERR_MISSINGRESOURCES
Message Meaning:	An error occurred because resources are missing. Resources include image and font files.
System Action:	This error will occur when the configuration option IGNOREMISSINGRESOURCES is set to NO and a resource is missing.
Recommended User Action:	View the statistics file to get the list of missing resources. Obtain the necessary resources and re-run the application.

8610 One or more fonts have not been mapped. See statistics file FileName

FileName	Name of the statistics file.
Message name:	ERR_FNTSNOTMAPPED
Message Meaning:	An error occurred because a font(s) has not been mapped.
System Action:	This error will occur when the configuration option MAPALLFONTS is set to YES and a font has not been mapped.
Recommended User Action:	Add the font(s) to the font mapping table and re-run the application.

8611 Interpress Emulator Stack Overflow

Message name:	ERR_IPSTACK
Message Meaning:	During the processing of an Image, the LCDS to PCL Interpress Emulator's stack has overflowed. This normally indicates that the image is invalid.
System Action:	The application continues processing without the information from the invalid image file.
Recommended User Action:	Correct the image, which may have been corrupted, and re-run the application.

8612 Resetting config option FONTS from currentValue to minimumValue

currentValue	Number of fonts specified using config option FONTS.
minimumValue	Minimum number of fonts required.
Message name:	WNG_MINIMUMFONTS
Message Meaning:	This warning will occur when the configuration option FONTS is less than minimumValue.
System Action:	The application continues processing.
Recommended User Action:	Program will reset config option FONTS to a higher value.

9001 Paper size invalid for target printer Page_Size.

Page_Size	This is the size of the paper.
Message name:	WNG_PCL/PDF_PAPERSIZE
Message Meaning:	Target printer does not support the paper size specified.
System Action:	The application uses the default paper size and continues processing.
Recommended User Action:	Verify that the printer supports the paper size.

9002 Invalid font index selection, new_font.

new_font	Name of the new font.
Message name:	WNG_BADFINDEX
Message Meaning:	The font specified was given a font index in excess of that contained in PDF list.
System Action:	The application uses default font index and continues processing.
Recommended User Action:	Verify an appropriate font index and re-enter the command.

9005 WNG_NOOBJ, Table_Type table entry for Object_Type Object_Name not found.

Table_Type	Type of table entry (Font control, Object).
Object_Type	Type of object.
Object_Name	The name of the object.
Message name:	WNG_NOOBJ
Message Meaning:	The Object_Type Object_Name specified could not be found in object list.
System Action:	The application continues processing.
Recommended User Action:	Verify the name of the object and re-enter the command.

9029 Xerox default font FileName is not available

FileName	Name of the font file.
Message name:	WNG_BADFNTSUB
Message Meaning:	Xerox default font file could not be found in the FNTDIR subdirectory or the FONTPATH subdirectory list.
System Action:	The application continues processing, however the PDF file will not be readable.
Recommended User Action:	Verify that the file name and path are correct. It may have been corrupted or over-written.

Appendix A
Reference Tables

This section contains reference tables for the LCDS to PCL product.

Configuration Dataset Parameters

Keyword	Default Value
BLANKPAGESUPPRESS	0
COPYCOUNT	0
COPYSTART	1
DEBUG	0
DEBUGFILE	DD:TRACE
DFLTFNT	L0112B
ERRORFILE	DD:SYSPRINT
FILEDJDEOPTION	YES
FNTCONVERTPGM	INTERNAL
FONTS	128
FONTTABLE	DD:FONTTAB
FORMFONTHAIRLINE	1
FORMFONTHEAVY	35
FORMFONTMEDIUM	11
FORMFONTLIGHT	3
FORMFONTSOLID1	3
FORMFONTSOLID2	7
FORMFONTTYPE	PATTERN
FORMS	64
FORMLIB	
FORMPREFIX	FRM
IMAGETEMPLIB	
IMGCONVERTPGM	internal
INFILE	
INSERTPJLCOMMANDS	NO
INTRAY	

Keyword	Default Value
JDE	DFLT
JDL	DFAULT
JSLLIB	
JSLPREFIX	JSL
LEFTPCLOFFSET	0
OFFSETDOTS	9999
OFFSETSCANS	9999
OPTIMIZEFONTS	NONE
OUTFILE	
PAPERSIZE	LETTER
PFONTLIB	
PFONTPREFIX	PCF
PIMAGELIB	
PIMAGEPREFIX	PCI
PLGOLIB	
PLGOPREFIX	PCF
PRINTERMODEL	HPLJIIID
RECDELIM	FIXED
RPMF	NO
RPMFCONFIGFILE	DD:FT03F001
RPMFOPTIONFILE	DD:FT05F001
SAVECVTIMAGES	1
STATISTICSFILE	
STATS	NONE
SYSCATBACKUP	
SYSCATLG	
SYSCATUPDATE	NO
TOPPCLOFFSET	0
USECONVERTEDIMAGES	YES
USEPAPERSOURCECOMMANDS	NO
VPS	NO
XFONTLIB	

Keyword	Default Value
XFONTPREFIX	FNT
XIMGLIB	
XIMGPREFIX	IMG
XLGOLIB	
XLGOPREFIX	LGO

Appendix B
Compatibility Specifications

General DJDE and PDL Command Support

This table can be used as a quick reference to check support of DJDE and PDL commands within the products.

Key:

Bypassed	The command is not used by the product. An informational message will be issued
Extracted but Not Used	The command is extracted but not used by the product. An informational message will be issued.
Supported	The command is supported by the product.
Partially Supported	The command is supported only in some situations.
Unsupported	The command is not supported by the product and an error will occur.

Notes:

LCDS to PCL fully supports multiple copies and copy-sensitive functions. The actual functionality of installed products may vary significantly.

Logical Processing

Command	Function	Off Line	On Line	DJDE	Action
BANNER	Banner page detection test (online only).	N	Y	N	Extracted but not used.
BDELETE	Block deletion test.	Y	N	N	Bypassed
BSELECT	Block selection test.	Y	N	N	Bypassed
CRITERIA	Logical processing test specifications.	Y	Y	N	Supported
RAUX	Select page from auxiliary tray test.	Y	Y	N	Supported
RDELETE	Record deletion test.	Y	N	N	Supported
ROFFSET	Page offset test.	Y	Y	N	Supported
RPAGE	Logical page reposition test.	Y	Y	N	Supported
RRESUME	Resume printing test.	Y	N	N	Supported
RSELECT	Record selection test.	Y	N	N	Supported
RSTACK	End of report test.	Y	Y	N	Supported
RSUSPEND	Suspend printing test.	Y	N	N	Supported
TABLE	Table of constants for logical processing.	Y	Y	N	Supported

*LCDS to PCL supports all RPAGE options except WHEN=TOP.

Ac VFU Command Parameters

Parameter	Field Value	Off Line	On Line	DJDE	Action
ASSIGN	Assign line numbers to output channels.	Y	Y	Y	Supported
BOF	Bottom-of-form line number assignment.	Y	Y	Y	Supported
TOF	Top-of-form line number assignment.	Y	Y	Y	Supported

Ac PDE Command Parameters

Parameter	Field Value	Off Line	On Line	DJDE	Action
BEGIN	Location of starting print line on page.	Y	Y	Y	Supported
FONTS	Fonts for printing variable and CME data.	Y	Y	Y	Supported
PMODE	Landscape or portrait printing mode.	Y	Y	Y	Supported

VOLUME Command Parameters

Parameter	Field Value	Off Line	On Line	DJDE	Action
BMULT	Multiplication factor to determine true block length.	Y	N	N	Bypassed
CODE	Input data translation.	Y	Y	N	Supported
EOV	End-of-volume processing.	Y	N	N	Bypassed
HOST	Source of input data for processing.	Y	Y	N	Supported
INTERPRESS	Input tape contains Interpress data.	Y	N	N	Bypassed
LABEL	Type of tape label processing.	Y	N	N	Bypassed
LCODE	Input tape label translation.	Y	N	N	Bypassed
LPACK	Label packing specification for undefined labels.	Y	N	N	Bypassed
MAXLAB	Maximum label length for undefined labels.	Y	N	N	Bypassed
MINLAB	Minimum label length for undefined labels.	Y	N	N	Bypassed
OPTIMIZE	Throughput enhancement for online.	N	Y	N	Bypassed
OSCHN	OS Writer end-of-report channel.	Y	N	N	Bypassed
OSHDP	OS Writer header banner page count.	Y	N	N	Bypassed
OSTLP	OS Writer trailer banner page count.	Y	N	N	Bypassed
PLABEL	Printing of labels to sample tray.	Y	N	N	Bypassed
RMULT	Multiplication factor to determine true record length.	Y	N	N	Bypassed
TCODE	Masked comparison type assignments.	Y	Y	N	Supported
UNPACK	Input data unpacking method.	Y	N	N	Bypassed

Ac CME Command Parameters

Parameter	Field Value	Off Line	On Line	DJDE	Action
CONSTANT	Copy modification of character string to be printed.	Y	Y	N	Supported
FONT	Selection of font for printing input or CME data.	Y	Y	N	Supported
INK	Specifies the ink to be used to print variable data.	Y	Y	N	Supported
LINE	Line range of copy modification.	Y	Y	N	Supported
POSITION	Initial character position of copy modification.	Y	Y	N	Supported

LINE Command Parameters

Parameter	Field Value	Off Line	On Line	DJDE	Action
DATA	Input record printable data portion.	Y	Y	Y	Supported
FCB	Host transmitted FCB handling.	N	Y	N	Bypassed
FONTINDEX	Position of font switch index.	Y	Y	Y	Supported
INKINDEX	Field within user data record containing the ink switch.	Y	Y	Y	Extracted but not used.
MARGIN	Left margin on a physical page.	Y	Y	Y	Supported
OVERPRINT	Manner in which overprint lines are handled.	Y	Y	Y	Supported
PCC	Location of the printer carriage control field.	Y	N	N	Supported
***PCCTYPE**	Printer carriage control table.	Y	Y	N	Supported
UCSB	Host transmitted UCSB handling.	N	Y	N	Bypassed
VFU	Vertical format table to be used.	Y	Y	N	Supported

* LCDS to PDF supports customization of all PCCTYPE tables.

OUTPUT Command Parameters

Parameter	Field Value	Off Line	On Line	DJDE	Action
BFORM	Form only on back side of a duplex page.	Y	Y	Y	**Supported**
COLLATE	Collated or uncollated report pages.	Y	Y	Y	Bypassed
COPIES	Number of copies of a report.	Y	Y	Y	Supported
COVER	Cover pages picked from the auxiliary tray.	Y	Y	N	Supported
CYCLEFORMS	Associates forms with report pages in a cyclic fashion.	Y	Y	N	Supported
DENSITY	Disables the IG local density functionality of continuous printing for specific jobs.	Y	Y	N	Bypassed
DESTINATION	Determines the output destination of transparencies.	Y	Y	N	Bypassed
DUPLEX	Printing on both sides of a page.	Y	Y	Y	Supported
FACEUP	Specifies face up delivery of pages.	Y	Y	N	Bypassed
FEED	Specifies paper tray selection.	Y	Y	Y	Supported
FORMAT	Selection of page format descriptor.	Y	Y	Y	Supported
FORMS	Selection of page format descriptor.	Y	Y	Y	Supported
GRAPHICS	Specifies graphics may be used in current job.	Y	Y	N	Supported
IDFAULT	Specifies the default ink when one is not given.	Y	Y	Y	Bypassed
IDR	Specifies the inks to be used in the job.	Y	Y	Y	Bypassed
IMAGE	Initial scaling and positioning for batch mode graphics.	Y	Y	Y	Supported
IRESULT	Specifies the result when objects imaged with different inks overlap.	Y	Y	Y	Bypassed

Parameter	Field Value	Off Line	On Line	DJDE	Action
MODIFY	Associates CMEs with report copies.	Y	Y	Y	Supported
NTO1	Allows the user to specify, on a report basis, whether all copies of a particular report are printed first page to last (1-N), or last page to first (N-1).	Y	Y	N	Extracted but not used.
NUMBER	Automatic page numbering control.	Y	Y	Y	Supported
OFFSET	Report offset control.	Y	Y	N	Supported
PAPERSIZE	Identifies paper size to be used for job.	Y	Y	N	Supported
PURGE	Default disposition of document interleaved graphics.	Y	Y	N	Supported
SHIFT	Shifts image on page.	Y	Y	Y	Supported
SIZING	Matches the paper specified when the page is formatted with the available paper sizes in the trays.	Y	Y	N	Bypassed
STAPLE	Selects stitching of copy sets on systems configured with the stitcher/stacker.	Y	Y	N	Bypassed
STOCKS	Calls out a specific STOCKSET to be used in the report.	Y	Y	Y	Bypassed
UNITS	Specifies user-selected units for positioning graphics.	Y	Y	N	Supported
XMP	Specifies use of xerographic mode persistence for 4850 reports or jobs.	Y	Y	Y	Supported

Page-oriented DJDEs

Command	Function	Action
BEGIN	Specifies the location of the starting print line of a logical page for graphics.	Supported
BFORM	Specifies that a form be printed on the back side of a printed page.	Supported
COLLATE	Specifies whether the pages of a job are to be collated (placed into sets) or uncollated (like pages placed together).	Bypassed
COPIES	Specifies the number of copies or sets of the pages to produce.	Supported
DEPT	Specifies the accumulation of accounting statistics for reports on a name basis.	Bypassed
DUPLEX	Specifies whether both sides of a piece of paper are printed (duplex) or only to top side (simplex).	Supported
FEED	Controls the stock (type of paper) on which the page is printed.	Supported
FONTINDEX	Specifies a particular location in the inp0ut record where an index to the specified font is stored.	Supported
FONTS	Specifies the fonts used in input data and/or variable (CME) data.	Supported
FORMS	Specifies the form to be merged on the printed pages.	Supported
ICATALOG	Specifies the ink catalog containing the palettes and inks for subsequent pages.	Bypassed

Specific DJDE and PDL Command Support

Command	Parameters	Parameter Options	Default	Action
ABNORMAL	ERROR=	CONTINUE	STOP	Bypassed
		ABORT		Bypassed
		STOP		Bypassed
	IMISMATCH=	CONTINUE	STOP	Bypassed
		STOP		Bypassed
		ABORT		Bypassed
	ISUBSTITUTE=	ANY	ANY	Bypassed
		NONE		Bypassed
	OTEXT=	WAIT	NOWAIT	Bypassed
		NOWAIT		Bypassed
	SECURITY=	YES	NO	Bypassed
		NO		Bypassed
ACCT	DEPT=	sc	jdl-name	Bypassed
	USER=	BIN	BIN	Bypassed
		TRAY		Bypassed
		BOTH		Bypassed
		NONE		Bypassed
BANNER	HCOUNT=	value		Bypassed
	HJOBNO=	(offset, length)	NONE	Bypassed
		NONE		Bypassed
	HRPTNA=	(offset, length)	NONE	Bypassed
		NONE		Bypassed
	TCOUNT=	value	0	Bypassed
	TEST=	test-exp	No Default	Bypassed
	TYPE=	DATA	BANNER	Bypassed
		BANNER		Bypassed
BDELETE	TEST=	test-exp	No Default	Supported
BLOCK	ADJUST=	value	0	Supported
	CONSTANT=	sc	No Default	Supported
	FORMAT=	type	BIN	Supported
	LENGTH=	value	1330	Supported
	LMULT=	value	1	Supported
	LTHFLD=	size	0	Supported
	OFFSET=	value	0	Supported
	POSTAMBLE=	length	0	Supported
	PREAMBLE=	length	0	Supported
	ZERO=	YES	NO	Supported

Command	Parameters	Parameter Options	Default	Action
BSELECT	TEST=	test-exp	No Default	Supported
ac:CATALOG			No Default	Supported
ac:CME	CONSTANT=	sc	No Default	Supported
	FONT=	value	No Default	Supported
	INK=	inkindex	No Default	Extracted But Not Used
		0		Extracted But Not Used
ac:CME	LINE=	n	No Default	Supported
		(n,m)		Supported
		(n,-)		Supported
	POSITION=	n	1	Supported
ac:CODE	ASSIGN=	(input,	No Default	Supported
		(output,…output)		Supported
	DEFAULT=	code-type	EBCDIC; single character, ASCII, EBCDIC, NONE	Supported
ac:CRITERIA	CHANGE=	(offset, length, NE, last)	No Default	Supported
	CONSTANT=	(offset, length, EQ, tab-id)	No Default	Supported
		NE		Supported
	LINENUM=	(init, count)	all lines	Supported
END				Supported
EXPORT	SEPARATORS=			Bypassed
	SNUMBER=			Bypassed
	SPLIT=			Bypassed
	SRECOVER=			Bypassed
	STIMING=			Bypassed
FILE			No Default	Supported
IDEN	OFFSET=	value	0	Supported
	OPRINFO=	[YES|NO}	NO	Supported
	PREFIX=	sc	No Default	Supported
	SKIP=	value	1	Supported
IDR	ICATALOG=	ink-catalog-name	SDLT$(system default ink)	Extrated but not used
	ILIST=	INK-NAME	No Default	Extrated but not used

Command	Parameters	Parameter Options	Default	Action
IDR		(‘ink-name’[,’ink-		
		name’]…)		
	PALETTE=	palette-name	DFAULT	Extrated but not used
dd:JDE	[INCLUDE=	(catalog-id,…,catalog-id)]	No Default	Supported
dd:JDL			No Default	Supported
dd:JOB	[INCLUDE=	(catalog-id,…,catalog-id)]	No Default	Supported
LINE	DATA=	(pdo, length)	offline=1,132	Supported
			online=0,150	Supported
	FCB=	PROCESS		Extracted but Not Used
	FONTINDEX=	Offset	NONE	Supported
		Offset([,init-val][,bit-opt])		
		NONE		
	INKINDEX=	Offse (offset[,init-val][,bit-opt])	NONE	Extrated but not Used
		NONE		
	MARGIN=	Value	(1,POS)	Supported
		(value,value-type)		
	OVERPRINT=	(over-opt,disp)	(PRINT,NODISP)	Supported
	PCC=	(offset, trans-type)		Supported
	PCCTYPE=	pcc-name	offline=ANSI online=IBM3211	Supported
	UCSB=	IGNORE PROCESS	PROCESS	Extracted But Not Used
LMODIFY	VFU=	vfu-id	NONE	Supported
		NONE		Supported
MESSAGE	ITEXT=	sc (sc,passnum)	NONE	Supported
		NONE		Supported
	OTEXT=	sc (sc,passnum)[WAIT]	NONE	Supported
		sc[,END][, WAIT]		Supported
		NONE		Supported

Command	Parameters	Parameter Options	Default	Action
OUTPUT	BFORM=	(form-id	defaults to first or next copy	Supported
		[,init[copies]][,(INK[S] ,inkref[,inkref],…)])		
	COLLATE=	YES	YES	Supported
		NO		
	COPIES=	number	1	Supported
	COVER=	cover-opt	NONE	Supported
	CYCLEFORMS=	(form-id[,…,form-id]) (form-id[,	NONE	Partially Supported. Inks excluded
		(INK[S],inkref[,		
		inkref],…)])[form-id[,		
		INK[S],inkref[,inref]…)]]		Bypassed
		… NONE)		
	DENSITY=	FIX	DEFAULT	Extracted but Not Used
	DENSITY=	NOFIX		
		DEFAULT		
	DESTINATION=	TRAY	NO	Extracted but Not Used
	DUPLEX=	YES	NO	Supported
		NO		
	FACEUP=	YES	NO	Extracted but Not Used
		NO		
	FEED=	stock-reference	OPR	Supported
		stock-name		Supported
		MAIN		Supported
		AUX		Supported
		OPR		Supported
	FORMAT=	pde-id	FMT1	Supported
	FORMS=	form-id	NONE	Supported
		(form-id[,init[,copies]][, init defaults to first		Supported
		(INK[S],inkref[,inkref] …)]) or next copy		Bypassed
		NONE		

Command	Parameters	Parameter Options	Default	Action
OUTPUT	GRAPHICS=	NO	NO	Supported
		YES		Supported
		MOVE		Supported
		BATCH		Supported
		YES,NOSUB		
		MOVE,NOSUB		
	IDFAULT=	inkref	First ink in ILIST parameter	Extracted But Not Used
	IDR=	idr-name	DFIDR.IDR	Extracted But Not Used
	IMAGE=	(vpos un, hpos un	[,n[/d]])[,INK[S],	Partially Supported. Inks excluded
		cm cm	inkref]…)])	
		in in		
		dots dots	inches, top left	
		xdots xdots	corner scaled at 1/1	
	IRESULT=	BLACK	SYSGENed default	Extracted But Not Used
		COLOR		
	MODIFY=	cme-id	NONE	Supported
		(cme-id,init [,copies])		Supported
		NONE		
	NTO1	YES	NO	Extracted but Not Used
		NO		
		n		
	NUMBER=	(pnum,lnum,cnum	NO	Supported
		[,[findex][,inkref]])		
		NO		
	OFFSET=	ALL	ALL	Supported
		FIRST		
		NONE		
	OSTK=			Bypassed
	PAPERSIZE=	A4	SYSGENed default	Supported
		USLEGAL		Supported
		USLETTER		Supported
		(x,y)		Supported

Command	Parameters	Parameter Options	Default	Action
OUTPUT	PURGE=	NO	YES	Supported
		YES		
	RESOLUTION=	value	SYSGENed default	Supported
	SF2FUNCTION			Bypassed
	SHIFT=	(v1,v2)	NO	Supported
		YES		
		NO		
	SIZING=	SEMIAUTO	No Default	Extracted But Not Used
		BEST		
		EXACT		
	STAPLE=	YES	NO	Extracted But Not Used
		NO		
	STOCKS=	stockset-name	No Default	Extracted But Not Used
	TRANS=			Bypassed
	UNITS=	size in dots	No Default	Supported
	XMP=	DEFAULT	DEFAULT	Bypassed
		REPORT		
ac:PCC	ADVTAPE	YES	YES	Supported
		NO		
	ASSIGN=	(byte,cc1n)	No Default	Supported
		(byte,(cc1n,…,cc1n))		
	DEFAULT=	cc1n pcctype	DEFAULT	Supported
	INITIAL=	BOF	TOF	Supported
		TOF		Supported
	MASK=	value	X’FF	Supported
ac:PDE	BEGIN=	(vpos, hpos)	(.18 IN, .66 IN)	Supported
	FONTS=	(f1, [f2]…])	L0112B	Supported
		((f1,s1)[,f2,s2)}…)		Supported
		((f1,s1[1pi \ xdots \ dots])[,		Supported
		(f2,s2[1pi \ xdots \ dots])])		Supported
	PMODE=	LANDSCAPE	LANDSCAPE	Supported
		PORTRAIT		
RAUX	TEST=	test-exp	No Default	Supported

Command	Parameters	Parameter Options	Default	Action
RDELETE	TEST=	test-exp	No Default	Supported
RECORD	ADJUST=	value	0	Supported
	CONSTANT=	sc	No Default	Supported
	FORMAT=	type	BIN	Supported
	LENGTH=	value	offline=133	Supported
	LMULT=	value	1	Supported
	LFTFLD=	size	0	Supported
	OFFSET=	value	0	Supported
	POSTAMBLE=	length	0	Supported
	PREAMBLE=	length	0	Supported
	STRUCTURE=	structure-type	FB	Supported
RFEED	TEST=	test-exp	No Default	Supported
ROFFSET	PASSES=	FIRST ALL	ALL	Supported
	TEST=	test-exp	No Default	Supported
ac:ROUTE	RFORM=	form-id	NONE	Supported
		NONE		
	RTEXT=	sc	NONE	Supported
		(sc[,[passnum\ ALL][,line[,		
		col[,fontindex]]]])		
ac:ROUTE	RTEXT=	rtext-id		
		NONE		
RPAGE	SIDE=	side-opt offset-opt	(NUFRONT, NOFFSET)	Supported
	TEST=	test-exp	No Default	Supported
	WHEN=	BOTTOM	TOP	Supported
		NOW		Supported
		TOP		Supported
RRESUME	BEGIN=	CURRENT NEXT	NEXT	Supported
	TEST=	test-exp	No Default	Supported
RSELECT	TEST=	test-exp	No Default	Supported
RSTACK	ACCTINFO=	{(offset, length)}	No Default	Extracted but Not Used
	DELIMITER=	YES	NO	Supported
		NO		Supported
	HRPTNA=	(offset, length)	NONE	Extracted but Not Used
		NONE		Supported

Command	Parameters	Parameter Options	Default	Action
	PRINT=	{BIN | BOTH | TRAY | NONE}	NONE	Supported
	TEST=	test-exp	No Default	Supported
RSUSPEND	BEGIN=	CURRENT	NEXT	Supported
		NEXT		Supported
	TEST=	test-exp	No Default	Supported
SEFNT	SEFMAP			Bypassed
	MAP			Bypassed
ac:STOCKSET	ASSIGN=	stock-descriptor	No Default	Extracted but Not Used
		(stock-descriptor[,stock-descriptor}…)		
	INIFEED=	stock-name	first stock name	Extracted but Not Used
		stock-reference		
	SYSPAGE=	stock-name	No Default	Extracted but Not Used
		stock-reference		
		MAIN		
		AUX		
dd:SYSTEM			No Default	Supported
dd:TABLE	CONSTANT=	(sc,…,sc)	No Default	Supported
	MASK=	(ignore-char[,[charspeci1],	No Default	Supported
		[charspeci2],…,		Supported
		[charspeci7]])		Supported
ac:TCODE	DEFAULT=	tcode-type	No Default	Supported
	TASSIGN=	(typespec, inputspec)	No Default	Supported
		inputspec…)		Supported
	TRESET=	typespec, inputspec	No Default	Supported
		inputspec…)		Supported
		ALL		Supported
ac:VFU	ASSIGN=	(channo,lineno)	No Default	Supported
		(channo,(lineno[lineno]…))		Supported
	BOF=	value	66	Supported
	TOF=	value	1	Supported

Command	Parameters	Parameter Options	Default	Action
VOLUME	BMULT=	value	1	Supported
	CODE=	keyword id NONE	EBCDIC	Supported
	EOV=	NOCHECKSUM][,BREAKPAGE \	EBCDIC	Bypassed
	HOST=		IBMOS	Supported
	INTERPRESS=	NOCHECKSUM][,BREAKPAGE \		Bypassed
		NOBREAKPAGE][,ROBUST \		Bypassed
		SIMPLE][,INTEGRAL FRACTIONAL][,PERFORMANCE \		Bypassed
		COMPLIANCE][,RIP/NORIP]]		Bypassed
	LABEL=	label-type	STANDARD	Bypassed
	LCODE=	keyword	EBCDIC	Bypassed
		ID	NO	Bypassed
	LPACK=	YES	NO	Bypassed
		NO		Bypassed
	MAXLAB=	value	81	Bypassed
	MINLAB=	value	80	Bypassed
	OPTIMIZE=	(keyword[,keyword][,keyword])	NONE	Supported
	OPTIMIZE=	NONE		
	OSCHN=	value	9	Bypassed
	OSHDP	value	0	Bypassed
	OSTLP=	value	0	Bypassed
	PLABEL	YES	NO	Bypassed
		NO		Bypassed
	RMULT=	value	1	Bypassed
	RSAT=	SPLIT	REMOUNT	Bypassed
		REMOUNT		
	TCODE=	tcode-type	EBCDIC	Supported
		tcode-id		
	UNPACK=	T4X3	NONE	Bypassed
		T4X3H2		
		UNIVAC		
		NONE		

Appendix C
Documentation

The most recent version of this manual can be downloaded from the LRS Web site (www.lrs.com).

As a licensed user of this product, you may print the PDF file on the *Enterprise Output Management Product Documentation* CD for use within your company as allowed by your license.

Index