



# *XPAF V7R0*

## *Maintenance Bulletin for*

### *Corrective Maintenance SA8333*

***Important Note:***

**With the release of XPAF 9.0 on October 31<sup>st</sup> 2016, support for XPAF 7.0 will be withdrawn on December 15th, 2018.**

**XPAF 8.0 will be available as a free upgrade for existing XPAF customers until December 31<sup>st</sup>, 2018.**

Xerox welcomes your suggestions and feedback on this document.

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Changes are periodically made to this document. Changes, technical inaccuracies and typographic errors will be corrected in subsequent editions.

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# 1. Maintenance information

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This document includes information on the distributed maintenance package to assist you in running XPAF successfully. Refer to *Section Two: Installing and Customizing XPAF* for instructions on installing this software maintenance tape.

## *Bulletin description*

---

This bulletin describes the maintenance and provides maintenance-related information.

## *Contents*

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The information contained in this bulletin applies to maintenance SA8333.

**NOTE:** Xerox only supports the XPAF features and functions documented in the user documentation, this maintenance bulletin and the documentation file. Do not assume support is provided if it is not explicitly documented.

## *Package description*

---

This package contains all maintenance added to XPAF 7.0 since the base product release.

The corrective fixes in this maintenance package and the accompanying documentation file have been extensively integration tested.

Maintenance package SA8333 is shipped as a single SMPPTFIN file in TSO TRANSMIT format.





## 2. Installation instructions

---

This section describes the maintenance installation process.

### Maintenance acceptance

To ensure the integrity of interrelated fixes, you must RECEIVE and APPLY all fixes on this tape. Ensure that any previous maintenance has been ACCEPTed before APPLYing this corrective maintenance tape.

If you experience a problem with your software, you must APPLY the entire maintenance tape before reporting the problem to Xerox Technical Support.

### Maintenance instructions for SMP/E

XPAF maintenance is available on the Xerox web site at the following URL:

[XPAF Support Web Site](#)

To download the maintenance, click on the link and download the "XPAF 7.0 SMPPTFIN - SA8333" file to your PC.

This file is a .zip file that contains the SMPPTFIN file in TSO TRANSMIT format.

Unzip the downloaded file to extract the file XPAF70.SA8333.SMPPTFIN.XMT

### Transfer the SMPPTFIN file to the mainframe

To transfer the SMPPTFIN file to your mainframe, perform the following steps:

**Step 1.** Allocate a dataset to receive the xmt file:

```
RECFM=FB,LRECL=80 SPACE=(CYL,25,5)
```

**Step 2.** Binary transfer the XPAF70.SA8333.SMPPTFIN.XMT file to the dataset created in step 1

**Step 3.** Issue the 'TSO RECEIVE' command against the dataset created in step 1 to receive the dataset to rebuild the SA8333 SMPPTFIN dataset

```
TSO RECEIVE DA('hlq.xmit.in')
INMR901I Dataset PKG3.SMPPTFIN.XPAF70.SA8333 from MKEAN on NJEXE01
INMR906A Enter restore parameters or 'DELETE' or 'END' +
da('mkean.xpaf70x.SA8333.smpptfin')
INMR001I Restore successful to dataset
'MKEAN.XPAF70X.SA8333.SMPPTFIN'
***
```

## Install the maintenance

---

### Step 4. Update INSTLIB(\$GENMNT)

```

*      THIS SAMPLE GENMNT MEMBER IS SUPPLIED FOR USE AS A SKELETON
*      FOR THE USER TO COMPLETE USING THE INSTALLATION GUIDE AS A
*      REFERENCE TO THE VALUES OF MACROS AND PARAMETERS.
*
*      *****
*      * NOTE: MACRO PARAMETERS THAT HAVE DEFAULTS IF LEFT BLANK *
*      *       CONTAIN THEIR DEFAULT VALUE IN THIS SAMPLE.       *
*      *****
*
*
*****
*
*      THE #GENMNT MACRO IS USED FOR MAINTENANCE GENERATION ONLY
*
*****
*
*      #GENMNT
*      HOLDFILE=,                * USE WHEN SMPHOLD REQUIRED      X
*      SMPSRCID=SA8333,          * SMP SOURCEID              X
*      EIHLQ=                    * ELECTRONIC INSTALL HLQ
*
*
*
*****
*      THE #GENEND MACRO IS USED TO SPECIFY THE TYPE OF STAGE 2
*      INSTALLATION OUTPUT THAT IS TO BE GENERATED.
*
*****
*
*      #GENEND TYPE=MNT          * TYPE OF INSTALLATION GEN
*
*
*
*      END

```

**Step 5.** Edit INSTLIB(\$ASMUPD) to specify “**INSTYPE=\$GENMNT**” and submit the job

**Step 6.** Edit STAGE2(MPJOB101) and change the SMPPTFIN DD card to point to the maintenance SMPPTFIN dataset created in step 3.

**Step 7.** Verify and submit STAGE2(MPJOB101, MPJOB102, MPJOB103, MPJOB104, and MPJOB105)

## Documentation file instructions

---

This section describes the documentation files for this maintenance package. The documentation file is available as a PDF file and is contained in the maintenance package zip file.

## *Contents*

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Each fix entry includes the problem description and applicable pre- and post-installation instructions. The entries are sorted by fix number.



## 3. *Additional maintenance instructions*

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This section contains additional instructions for maintenance that you may need to perform.

- PROFILES
- User exits
- XDIOFTAB macros
- JDT modules in the LPA
- MVS Library Lookaside address space (for XDS) in XPAF

After you apply this tape, refer to *Section Two: Installing and Customizing XPAF* for post-installation instructions concerning these areas.

***Note: There are no additional maintenance instructions with this maintenance package***

### *Error holds*

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For error hold information, refer to “Step 2B - Edit \$GENMNT in INSTLIB” in chapter 3 of *Section Two: Installing and Customizing XPAF*.

***Note: There are no error holds with this maintenance package.***



## 4. Technical notes

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This section includes information that is not part of the standard maintenance installation process used to install a corrective maintenance tape.

### *IBM operating system support*

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XPAF supports the following versions of z/OS:

- z/OS Version 1.12 with JES2 Version 1.12 and JES3 Version 1.12
- z/OS Version 1.13 with JES2 Version 1.13 and JES3 Version 1.13
- z/OS Version 2.1 with JES2 Version 2.1 and JES3 Version 2.1
- z/OS Version 2.2 with JES2 Version 2.2 and JES3 Version 2.2
- z/OS Version 2.3 with JES2 Version 2.3 and JES3 Version 2.3

### *Required changes when migrating to a new OS or JES version*

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Have your systems programmer change the SMP/E JESMAC DDDEF entry for both the TARGET and DISTRIBUTION ZONES in the XPAF CSI to specify the new JES z/OS macro library.

Rerun UMJOB101 before running XPAF on the new system. This will re-assemble your JES offsets table.

### *Host maintenance requirements*

---

Review this table to determine if you need to apply any of these IBM maintenance updates to your system.

If you use this version and subsystem:		Apply these:	
Version	Subsystem	APAR	PTF
z/OS 2.1	JES2 2.1	no additional APAR required	no additional PTF required
	JES3 2.1	no additional APAR required	no additional PTF required
z/OS 2.2	JES2 2.2	no additional APAR required	no additional PTF required
	JES3 2.2	no additional APAR required	no additional PTF required
z/OS 2.3	JES2 2.3	no additional APAR required	no additional PTF required
	JES3 2.3	no additional APAR required	no additional PTF required

## Documentation updates

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This section includes information and updates to the user documentation for one or more fixes on this tape. Please review this section to determine which updates apply to your site.

### PA13167 / SA4268 – Updated initialization parameter

---

Chapter 42 “Initialization parameters” in *Section Five: XPAF Parameter and Keyword Reference* has been updated with this information.

Minimum value for SUBTASKS has been increased to 132.

#### SUBTASKS (initialization parameter)

---

<b>Description</b>	For XOAF and XOSF processing, defines the maximum number of subtasks that can be active concurrently.
<b>Scope</b>	Affects processing of all types of data streams sent to all types of printers
<b>Syntax</b>	SUBTASKS=value  where  value    Maximum number of subtasks that can be active concurrently. This value must provide for the number of auto-started subtasks (currently six) plus the number of printers that will be started. The numeric value range is 8-132.
<b>Default</b>	For XOAF the default is 10, for XOSF the default is 40.
<b>Example</b>	SUBTASKS=80
<b>Overrides</b>	None.
<b>Related information</b>	The SUBTASKS parameter will determine the maximum number of printers (FSAs) you can have active under the FSS. XOSF reserves four sub tasks for internal use, so the maximum number of FSAs allowed will be four less than the SUBTASKS value.

The following new message has been added

### XDI3465E

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**XDI3465E      PRINTER (printer name) FSA ID (fsa id) HAS EXCEEDED THE MAXIMUM (number) PRINTERS SUPPORTED.**

**Explanation:**    The named printer exceeds the maximum number of subtasks that is currently supported.

**System Response:**    The named printer is not started. All other valid printers in the address space continue normal functions.



**User Action:** Either increase the value of the SUBTASKS initialization parameter or create an additional FSS and move or add the named printer to the new FSS.

**Note:** Although XOSF can support a theoretical maximum of 128 printers per FSS. Storage constraints may prevent that many printers from running concurrently.

## PA13876 / SA4234 – Documented printer profile parameter

Chapter 41 “Printer profile parameters” in *Section Five: XPAF Parameter and Keyword Reference* has been updated with this information.

### AFPAQNAME

<b>Description</b>	Specifies the LPR queue to send AFP data when sending data to an Emtex VIP Server.
<b>Scope</b>	Affects processing of AFP data streams sent via LPR to an Emtex VIP server.
<b>Syntax</b>	AFPAQNAME=afp1
<b>Default</b>	None.
<b>Overrides</b>	None.

### LCDSQNAME

<b>Description</b>	Specifies the LPR queue to send LCDS data when sending data to an Emtex VIP Server.
<b>Scope</b>	Affects processing of LCDS data streams sent via LPR to an Emtex VIP server.
<b>Syntax</b>	LCDSQNAME=lcds
<b>Default</b>	None.
<b>Overrides</b>	None.
<b>Related Information</b>	LCDSQNAME is synonymous with the old undocumented parameter DJDEQNAME.

## PA13180 / SA4352 – New PCL Socket Header Functionality

XPAF has been enhanced to allow the generation of a FreeFlow Print Server/DocuSP socket header when sending PCL or PDF documents to a FreeFlow Print Server or DocuSP device over a TCP/IP socket connection (TCPMODE=TCPIP).

To enable this feature, you must specify an LPRQNAME and specify Generate\_Socket\_Header=Y in the printer profile table.

## New printer profile parameter

**Chapter 41 “Printer profile parameters” in *Section Five: XPAF Parameter and Keyword Reference* has been updated with this information.**

### Generate\_Socket\_Header (Printer profile parm.)

<b>Description</b>	Specifies whether a FreeFlow Print Server socket header should be generated when sending PCL data to a FreeFlow Print Server device.
<b>Scope</b>	Affects processing of all types of data streams converted to PCL and sent to a FreeFlow Print Server via a direct socket connection (TCPMODE=TCPIP)
<b>Syntax</b>	Generate_Socket_Header={Y   <b>N</b> }  where  Y           Generate a socket header N           Do not generate a socket header
<b>Default</b>	N
<b>Example</b>	Generate_Socket_Header=Y
<b>Overrides</b>	None.
<b>Related Information</b>	Since the FreeFlow Print Server socket header requires a queue name to be specified in the header, a queue name must be specified via the LPRQNAME printer profile parameter. The document name that is displayed on the FreeFlow Printer Server GUI is controlled by the XTCPJNAM parameter.

## PA13181 / SA4352 – New message XTC414FE

**The following new message has been added:**

### XTC414FE

**XTC414FE    member name BUFFER CAPACITY EXCEEDED.**

Explanation:	When processing a member from the LPRDSN for variable substitution, the amount of data that can be contained in the variable substitution area buffer has been exceeded.
System response:	The variable substitution process is terminated and the amount of data processed so far is returned to the higher level program for processing. Unexpected results may occur.
User action:	Contact Xerox Technical support.

## PA13189 / SA5099 – New LCDS CC conversion option

XPAF has been enhanced to allow spacing carriage control to be honored for DJDE records. This feature allows compatibility for applications that were generate for an offline tape environment, where the ANSI Carriage Control on the input data is not converted into Machine Carriage Control.

### New printer profile parameter

**Chapter 41 “Printer profile parameters” in Section Five: XPAF Parameter and Keyword Reference has been updated with this information.**

#### LCDS\_Honor\_DJDE\_Spacing\_CC (Printer profile parm.)

<b>Description</b>	Specifies whether a XPAF will honor spacing carriage control on DJDE records when converting a document to PCL or PDF.
<b>Scope</b>	Affects processing of LCDS data streams converted to PCL or PDF
<b>Syntax</b>	LCDS_Honor_DJDE_Spacing_CC={Y   <b>N</b> }
	where:
	Y Honor spacing carriage control for DJDE records
	N Do not honor spacing carriage control for DJDE records
<b>Default</b>	N
<b>Example</b>	LCDS_HONOR_DJDE_SPACING_CC=Y
<b>Overrides</b>	None.

## PA13198 / SA5141 – New LCDS CC conversion option

XPAF has been enhanced to allow blank lines to be spaced with either the current line spacing value (as per the old Xerox J11 printers) or the line spacing of the font specified via font index character (as per the current FreeFlow Print Server LCDS Decomposer) when converting LCDS documents to PCL or PDF.

### New printer profile parameter

**Chapter 41 “Printer profile parameters” in Section Five: XPAF Parameter and Keyword Reference has been updated with this information.**

## LCDS\_OVERPRINT\_MERGE\_Type (Printer profile parm.)

<b>Description</b>	<p>Specifies whether XPAF will honor the font index on completely blank records when OVERPRINT=MERGE has been specified.</p> <p>When OVERPRINT=MERGE and font indexing is in effect, Xerox J11 printers will ignore the font index on completely blank records and use the line spacing of the previous line as the spacing for the blank line. The FreeFlow Print Server will use the line spacing of the font specified by the font index character for the blank line.</p> <p>This difference in behavior may result in differences in output.</p> <p>Use the LCDS_OVERPRINT_MERGE_Type parameter to specify the behavior you want to use when converting LCDS documents to PCL or PDF.</p>				
<b>Scope</b>	Affects processing of LCDS data streams converted to PCL or PDF				
<b>Syntax</b>	<p>LCDS_OVERPRINT_MERGE_Type={FFPS   <b>J11</b>}</p> <p>where:</p> <table> <tr> <td>FFPS</td><td>Use the line spacing of the font specified by the font index of completely blank lines when OVERPRINT=MERGE is specified.</td></tr> <tr> <td>J11</td><td>Ignore the font index and use the current lines spacing for completely blank lines when OVERPRINT=MERGE is specified</td></tr> </table>	FFPS	Use the line spacing of the font specified by the font index of completely blank lines when OVERPRINT=MERGE is specified.	J11	Ignore the font index and use the current lines spacing for completely blank lines when OVERPRINT=MERGE is specified
FFPS	Use the line spacing of the font specified by the font index of completely blank lines when OVERPRINT=MERGE is specified.				
J11	Ignore the font index and use the current lines spacing for completely blank lines when OVERPRINT=MERGE is specified				
<b>Default</b>	J11				
<b>Example</b>	LCDS_OVERPRINT_MERGE_TYPE=FFPS				
<b>Overrides</b>	None.				

## PA55462 / SA5141 – New Enhanced DJDE XSPLIT option.

The XSPLIT enhanced DJDE command has been updated to support a new option "BOTTOM" to indicate that a split should occur at the bottom of the current page when converting LCDS documents to PCL or PDF.

## XSPLIT

<b>Description</b>	Specifies that the document should be split based on the specified criteria.
<b>Scope</b>	Affects processing of all LCDS documents transformed to PCL or PDF.
<b>Syntax</b>	<p>@@ @DJDE C XSPLIT={NEWFRONT   RPAGE   TOP   <b>BOTTOM</b>   OFFSET   OFF}</p> <p>where</p>

**NEWFRONT** Specifies that the document should be split when a *SIDE=NUFRONT* condition is detected

**RPAGE** Specifies that the document should be split when an *RPAGE* condition occurs,

**TOP** Indicates that the document should be split at the top of the current page. *The current page marks the first page of a new segment.*

**BOTTOM** Indicates that the document should be split at the bottom of the current page. *The current page marks the last page of the current segment*

**OFFSET** specifies that the document should be split when an *OFSFET* occurs

**OFF** Turns off document splitting in the current document.

**Default** None.

**Example** @ @ @DJDE C XSPLIT=TOP

**Overrides** None.

**Related Information** Refer to the "Splitting LCDS Documents" section of the XPAF User Guide for more information.

## PA13187 / SA5218 – New message XAM7601F

The following new message has been added:

### XAM7601F

**XAM7601F OVERLAY PAGE SEGMENT CONSOLIDATION FAILED. SEE LOG FOR DETAILS.**

**Explanation:** An error was detected when attempting to convert an IBM AFP Overlay, which contains references to more than 16 images, to a Xerox form (.FRM). XOSF will attempt to consolidate all the images used in the Xerox form into a single image. Refer to the XOSFLOG for other message that indicate the cause of the failure.

**System response:** The overlay to form conversion is terminated and the document is aborted.

**User action:** Attempt to resolve the other errors reported in the XOSFLOG. If that does not resolve the problem, contact Xerox Technical support.

## PA13202 / SA5253 – Updated initialization parameter

**Chapter 42 "Initialization parameters" in *Section Five: XPAF Parameter and Keyword Reference* has been updated with this information.**

**New option "JES2" for the BANSTYLE parameter.**

### BANSTYLE (initialization and printer profile parameter)

**Description** Identifies the banner page style to be produced by XPAF when header, dataset, or trailer pages are requested. This value also is available in user exits 02 and 05 for constructing customized banner pages.

- Scope** Affects processing of all types of data streams sent to centralized printers. Also affects processing of all types of data streams sent to decentralized and PCL-capable printers if you have changed the SETC statement in sample user exit XUXIT05B from 'REMOTE' to 'LOCAL'.
- Syntax** BANSTYLE=style-name
- where
- style-name The 1- to 4-character user-defined banner page style name used in user exits 02 and 05. The name can include alphanumeric or national (\$, #, @) characters. The first character must be an alphabetic or national character. The **three** system-defined banner page style names are JES, **JES2** and XPAF. JES specifies the JES banner page style, **JES2 specifies emulates the newer IBM JES2 banner page by placing the detail box frame in column 1 (rather than column 15)** and XPAF specifies the XPAF banner page style. For BANSTYLE=JES, only applies to JES2 and JES3 systems at version 4.2 or higher. If BANSTYLE=NONE is specified, no banner pages will be produced.
- Default** XPAF
- Example** BANSTYLE=JES2
- Overrides** You can override this parameter by using the BANSTYLE printer profile parameter or extended JCL keyword. You also can override this parameter by specifying a value in the XDIBBANS field in @XDIB in user exit 02.

## PA13214 / SA5316 – New LCDS Splitting options

XPAF has been enhanced to allow both a name field and a sequence number to be specified as the file name for a split PDF document. In addition, a new trigger parameter, SEQUENCE\_PREFIX, has been added that allows for a one to eight character divider to be specified between the name and the sequence number

### New trigger option

The trigger file option table has been updated with the following information:

SEQUENCE_PREFIX="string"	<p>(Optional) Specifies a string that is prefixed to the segment name extracted from the input record.</p> <p>Where string is a 1 to 8 character string</p> <p>Example:</p> <p>SEQUENCE_PREFIX="_SEQ#"</p> <p>The string "_SEQ#" is added prior to the sequence number that is generated for this segment</p>
--------------------------	---

## Points to Note

---

It is now possible to specify both a name and a sequence number that is used to generate the segment name. In addition, an optional sequence number prefix can be specified that will be used to separate the name and the sequence number.

For example, the following trigger definition file:

```
*
* PDF SPLITTING TRIGGER DEFINITION FILE
*
TRACE=NO
TRIGGER="POLICY NO."
STARTLINE=1
ENDLINE=10
TCOL=1
NAMESTART=12
NAMELENGTH=5
NAMEPREFIX="/u/mkean/xpaf/"
NAMESUFFIX=".PDF"
SEQUENCE_NUMBER_DIGITS=5
SEQUENCE_PREFIX="_"
ENCODING=EBCDIC
```

Will produce segment file names of the form "/u/mkean/xpaf/AAAAA\_00001.pdf"

## PA55467 / SA5351 – XV2S Enhancements

---

The XV2S utility has been updated as follows:

Chapter 16 "Setting up XV2S Control File parameters".

### DOCHDR (Printer initialization parameter)

---

<b>Description</b>	Specifies up to three additional lines of data that will be appended ahead of the records, received from the CICS/ VTAM connection, placed on the JES spool. This allows for document formatting commands, such as DJDE parameters, to customize the output.
<b>Scope</b>	Affects all documents processed by the XV2S printer.
<b>Syntax</b>	DOCHDR=Value (Line mode data for document formatting)  where  value Up to three lines of data mode data is from 1 to 72 bytes.
<b>Default</b>	None.
<b>Example</b>	DOCHDR=+@@@DJDE JDE=DFLT, PMODE=PORTRAIT, ;  DOCHDR=+@@@DJDE BOF=99, BEGIN=(1.0, 1.0), FONTS=P0612B, ;  DOCHDR=+@@@DJDE FORM=XPAFDV, DUPLEX=NO, END;

**Overrides** None.

**Related information** There is a maximum of three DOCHDR options per XV2S printer definition.

### TRACE (Printer initialization parameter)

**Description** Specifies diagnostic trace information to be displayed during execution of XV2S in the XV2SLOG and SYSLOG.

**Scope** All documents process by the XV2S printer

**Syntax** TRACE=Value

where

ALL Issue VTAM connection and internal XV2S diagnostic messages.

VTAM Only issue VTAM connection diagnostic messages

**Default** None.

**Example** TRACE=VTAM

**Overrides** None,

**The following new message has been added**

### XV2S0100I

**XV2S0100I XV2S01 JES document - CLASS = (JES class) DEST = (JES Destination) WRITER = (JES Writer) FORM = (JES Form) OUTDES = (OUTPUT descriptor)**

**Explanation:** VTAM streaming from the SLU has begun to create a JES document on the SPOOL. All options supplied from the XV2S printer definition in the control file.

**System Response:** None.

**User action:** This message is displayed on the z/OS SYSLOG to allow for the customer site to use operational automation software based on document creation in JES.

### PA13221 / SA6056 – New DUPLEXSW functionality

The DUPLEXSW Initialization parameter, printer profile parameter and extended JCL keyword have been updated to allow a new option DUPLEXSW=Mixed.

When DUPLEXSW=Mixed has been specified, XOSF, rather than remain in a single plexing mode for the entire set of pages printed with the same copygroup, will format each page with the duplex option that matches the desired plexing mode of each page, regardless of the duplex/simplex setting in the active copygroup. This has the effect of causing the printer to switch between simplex and duplex, as required, which may affect print performance, but has the benefit of not creating an impression for blank back sides of a simplex page referenced in a duplex copygroup.



**Chapter 36 “Printing AFP documents” in “Section Four: Printing Documents with XPAF” has been updated with this information:**

**Duplex mode printing:**

For AFP documents, the duplex mode is set by the FORMDEF. However, you can use extended JCL keywords to override the FORMDEF specification:

For documents originally formatted for an IBM 3800-type printer, specify the XDUPLEX extended JCL keyword. This keyword applies for documents that have only simplex copy groups within a FORMDEF.

For example, if you specify XDUPLEX=YES, simplex documents originally formatted for an IBM 3800-type printer will be printed on both sides of the paper.

For all other AFP documents sent to centralized printers, specify the DUPLEXSW initialization parameter, printer profile parameter, or extended JCL keyword. This keyword determines whether and how the plexing mode on the printer switches between simplex and duplex.

For example, if you specify DUPLEXSW=Y and the print job has copy groups that specify both simplex and duplex in the FORMDEF, the printer will clear the paper path each time the plexing mode changes between simplex and duplex.

If you specify DUPLEXSW=N and the print job has copy groups that specify both simplex and duplex in the FORMDEF, the printer does not switch plexing modes between simplex and duplex. In other words, the entire job will print in duplex mode. For any copy group that specifies simplex, a blank page is sent for the back of the page.

If you specify DUPLEXSW=M, each page will be printed with the plexing mode relevant for that page, switching between simplex and duplex as required. This mode may cause a severe performance impact on printers that need to cycle down when switching between simplex and duplex. This mode is best used with dual engine printers such as the Xerox Nuvera 288.

**Chapter 42 “Initialization parameters” in Section Five: XPAF Parameter and Keyword Reference has been updated with this information.**

**DUPLEXSW (initialization and printer profile parameter)**

<b>Description</b>	For XOSF processing, indicates whether and how the printer's plexing mode will switch between simplex and duplex
<b>Scope</b>	Affects processing of page-formatted and AFP data streams sent to centralized printers.
<b>Syntax</b>	DUPLEXSW={M   N   Y}  where  Y Switches the plexing mode on the printer between simplex and duplex. For example, if a document is simplex for the first few pages and duplex for the remaining pages, specify DUPLEXSW=Y to have the printer switch from simplex mode printing to duplex mode printing.  N Does not switch the plexing mode on the printer between simplex and duplex. XPAF searches the data stream to determine if DUPLEX is specified in any of the copy groups (for AFP documents) or copy modifications (for page-formatted documents). If it is, the entire document will be printed in duplex mode. Any simplex copy groups or

copy modifications will be printed with blank back pages. If DUPLEX is not specified, the entire document is printed in simplex mode.

**M** Switches the printer between simplex and duplex and also prints simplex pages in a DUPLEX copygroup in simplex mode, rather than in DUPLEX with a SIDE=NUFRONT.

**Default** N

**Example** DUPLEXSW=Y

**Overrides** You can override this parameter by using the DUPLEXSW printer profile parameter or extended JCL keyword.

### DUPLEXSW extended JCL parameter

The DUPLEXSW extended JCL keyword has been updated:

### DUPLEXSW

**Description** Indicates whether **and how** the printer's plexing mode will switch between simplex and duplex.

**Scope** Affects processing of page-formatted and AFP data streams sent to centralized printers.

**Syntax** //REPORT OUTPUT DUPLEXSW={MIXED | YES | NO}  
where

YES Switches the plexing mode on the printer between simplex and duplex. For example, if a document is simplex for the first few pages and duplex for the remaining pages, specify DUPLEXSW=Y to have the printer switch from simplex mode printing to duplex mode printing.

NO Does not switch the plexing mode on the printer between simplex and duplex. XPAF searches the data stream to determine if DUPLEX is specified in any of the copy groups (for AFP documents) or copy modifications (for page-formatted documents). If it is, the entire document will be printed in duplex mode. Any simplex copy groups or copy modifications will be printed with blank back pages. If DUPLEX is not specified, the entire document is printed in simplex mode.

MIXED Switches the printer between simplex and duplex and also prints simplex pages in a DUPLEX copygroup in simplex mode, rather than in DUPLEX with a SIDE=NUFRONT.

**Default** None.

**Example** //REPORT OUTPUT DUPLEXSW=M

**Overrides** This keyword overrides the DUPLEXSW initialization and/or printer profile parameters.

## PA13224 / SA6119 – New messages

---

The following new messages have been added:

### XTW415AF

---

**XTW415AF THE RENAME DATASET *name* IS RESERVED BY ANOTHER PROCESS**

Explanation: When attempting to rename a dataset, XOSF has failed to obtain an exclusive enqueue for the resource, indicating that the target dataset is in use by another XPAF process.

System response: The rename fails and the output is kept in the original dataset as documented by subsequent message XTW4158F, and the document is aborted.

User action: Check the name of the rename dataset to ensure that it is correct, if so, rerun the job at a time when only one XOSF printer is using the rename dataset.

### XCD6839W

---

**XCD6839W FEED *feed* NOT FOUND IN CLUSTER MAPPING TABLE *cmatable*. THE DEFAULT TRAY ASSIGNMENT WILL BE USED.**

Explanation: During conversion of an LCDS document, to any output format, XOSF has encountered a request for a tray feed, *feed*, that is not in the cluster mapping table *cmatable*.

System response: The default entry (the first entry in the table) in the cluster mapping table will be used for the tray assignment. Processing continues.

User action: Add the missing feed assignment to the cluster mapping table.

## PA55468/SA6217 – AFP Document Splitting (New Feature)

---

PA55468 provides the following new features:

### Feature descriptions

---

XPAF has been enhanced to allow an AFP document to be broken up into multiple segments or subsets. The primary purpose of this feature is to enable a large report containing information on multiple accounts to be broken up into individual output files.

When used with the PDF transform, a PDF file for each subset is created.

For example, a job currently prints account statements at the end of the month. The single job is a 10,000 page report that contains statements for 1,000 individual accounts. Normally, when the job is converted by XPAF to PDF, a single 10,000 page PDF file is created containing all 1,000 accounts. With the AFP splitting feature, 1,000 individual PDF files are generated. Each PDF file contains only those pages associated with the account in question.

## *Naming multiple segments from a single job*

To uniquely name each segment, XPAF uses the string stored in the Xerox Output Descriptor Control Block, @XODB, Mail File name field, XODBMFNM. XODBMFNM can be set via the MAILFILE IBM extended JCL keyword, XPAF User Exits, or a field from the input record defined by the trigger file.

The XODBMFN value can then be used to specify:

The name of an email attachment

The document name when the file is LPR'd to an LPD server

The dataset name to rename the temporary dataset to be saved on DASD

As an input parameter to a BATCH JCL/REXX invocation for storing the document on an FTP server

## *Splitting a document*

To split an AFP document, you must use a trigger file that describes what XPAF should look for in the input data that marks the end of one segment and the beginning of the next. This can be some constant text, such as "Page 1 ", or a change in text following a constant string, such as "Account #:". In addition, you also specify how XPAF should name the individual files, whether you use information extracted from the input data, such as the actual account number, a simple sequence number, or a combination of the two.

## *Using the Trigger File*

This section includes information on how to split an AFP document using a trigger file. The trigger file describes how an input record is tested to determine if the document should be split and the name for the segment

## *Enabling document splitting*

Document splitting is enabled by specifying

FEATURE=SPLITDOC

In the Printer Profile Table, PPT, for each printer that needs to split documents.

## *Specifying that a document is to be split*

The details on how an AFP document is to be split is defined in, what is referred to as a "Trigger" file.

The trigger file is a member of a LRECL=80, RECFM=FB, PDS or PDS/E that is referenced by the TRIGGERA DD statement in the XOSF started task procedure.

The member name used is the same name as the job name being processed (or is specified by the XSPLTMEM XPAF extended JCL keyword)

## *Specifying the trigger file*

Create a member with the name of the job you wish in the TRIGGER DD dataset to specify the following trigger options:

Option	Description
* in column 1	Comment
TRIGGER="trigger value"	<p>Specifies the string that is to be matched with the input data record to determine if the input record is a trigger record. The "?" character can be used as a mask and will match any character in the input record.</p> <p>Example:</p> <pre>TRIGGER="00001 ????? EFT"</pre> <p>The input record, at the offset specified by the TCOL value is compared to the trigger string. The first six characters must be "00001 ". The next 5 characters are ignored, then the next four characters must be " EFT"</p>
TRIGGER=X"hex string"	<p>Specifies that the trigger value is specified as a hex string. This notation is used to define a trigger value for Metacode input</p> <p>Example:</p> <pre>TRIGGER=X"062100046800004D"</pre> <p>The input record, at the offset specified by the TCOL value, is compared to the trigger string.</p>
STARTLINE=n	<p>Specifies the starting line number for comparing the trigger value to the input record.</p> <p>Where n is an integer 0 to 32767</p> <p>Example:</p> <pre>STARTLINE=5</pre> <p>The lowest line number to search for a trigger record is line 5</p> <p>Default: STARTLINE=0</p>
ENDLINE=n	<p>Specifies the ending line number of the input record for comparing to the trigger string.</p> <p>Where n is an integer 0 to 32767</p> <p>Example:</p> <pre>ENDLINE=10</pre> <p>The highest line number to search for a trigger string is line 10</p> <p>Default: The default value of ENDLINE is the value used for start line</p>
TCOL=n	<p>Specifies the starting column, or offset, in the input record to start comparing to the value. The carriage control byte is not included in the TCOL calculation. The</p>

	<p>first byte of the input record is considered to be column 0</p> <p>Where n is an integer 0 to 32767</p> <p>Example:</p> <p>TCOL=153</p> <p>Compare the input record, starting in column 153 to the trigger value.</p>
<b>NAMESTART=n</b>	<p>Specifies the starting column, or offset, in the input record to the start of the string to be used in creating the segment name</p> <p>The carriage control byte is not included in the NAMESTART calculation. The first byte of the input record is considered to be column 0</p> <p>Where n is an integer 0 to 32767</p> <p>Example:</p> <p>NAMESTART=138</p> <p>The segment name starts in column 138 of the input record.</p>
<b>NAMELENGTH=n</b>	<p>Specifies the length of the string, starting in column NAMESTART to be used for the segment name</p> <p>Where n is an integer 1 to 32767</p> <p>Example:</p> <p>NAMELENGTH=24</p> <p>24 bytes of the input record, starting at the column specified by NAMESTART, will be used in creating the segment name.</p>
<b>NAMEPREFIX="string"</b>	<p>Specifies a string that is prefixed to the segment name extracted from the input record.</p> <p>Where string is a 1 to 20 character string</p> <p>Example:</p> <p>NAMEPREFIX="PAYROLL."</p> <p>The string "PAYROLL." is added to the start of the segment name.</p>
<b>NAMESUFFIX="string"</b>	<p>Specifies a string that is suffixed to the segment name extracted from the input record.</p> <p>Where string is a 1 to 20 character string</p> <p>Example:</p> <p>NAMEPREFIX=".PDF"</p> <p>The string ".PDF" is added to the end of the segment name.</p>
<b>CHANGESTART=n</b>	<p>Specifies the start column of the portion of</p>

	<p>the input record that is tested to see if a change has occurred. The contents of the “change” portion of the input trigger record are compared to the value found on the previous input trigger record. If the two values are different, a new segment will be created.</p> <p>Where n is an integer from 0 to 32767</p> <p>Example:</p> <p>CHANGESTART=150</p> <p>The string starting in column 150, for a length specified by CHANGELENGTH, is used to detect if the segment has changed.</p> <p>Default: If neither CHANGESTART nor CHANGELENGTH have been specified, NAMESTART and NAMELENGTH will be used.</p>
<b>CHANGELENGTH=n</b>	<p>Specifies the length of the portion of the input record that is tested to see if a change has occurred. The contents of the “change” portion of the input trigger record are compared to the value found on the previous input trigger record. If the two values are different, a new segment will be created.</p> <p>Where n is an integer from 1 to 32767</p> <p>Example:</p> <p>CHANGELENGTH=7</p> <p>The string, starting in the column specified by CHANGESTART, for a length of 7 bytes is used to detect if the segment has changed</p>
<b>SPLIT_ON_SAME_NAME={Y   N}</b>	<p>Indicates whether or not a new segment should be created if the name found in the trigger string is the same as the previously matched trigger</p> <p>Example:</p> <p>SPLIT_ON_SAME_NAME=Y</p> <p>To uniquely name segments, that use the same name in the trigger file, use the SEQUENCE_NUMBER_DIGITS trigger file parameter</p>
<b>SEQUENCE_NUMBER_DIGITS=n</b>	<p>Specifies the number of digits to be used for the segment sequence number which will be used as the variable part of the segment name. Segment numbers will be left padded with zeroes to generate the required number of digits.</p> <p>Where n is an integer 1 to 8</p>

	<p>Example:</p> <p>SEQUENCE_NUMBER_DIGITS=5</p> <p>Specifies that five digits will be used as the variable part of the segment name. The digits used will be 00001, 00002, 00003, etc.</p> <p>Default: None.</p>
<b>SEQUENCE_PREFIX="string"</b>	<p>(Optional) Specifies a string that is prefixed to the segment name extracted from the input record.</p> <p>Where string is a 1 to 8 character string</p> <p>Example:</p> <p>SEQUENCE_PREFIX="_SEQ#"</p> <p>The string "_SEQ#" is added prior to the sequence number that is generated for this segment</p>
<b>ENCODING={ASCII   <u>EBCDIC</u>}</b>	<p>Specifies the character encoding of the name segment in the input record.</p> <p>EBCDIC is traditionally used with AFP data.</p> <p>ASCII is specified if the input data is in ASCII.</p> <p>If ENCODING=ASCII is specified, the string obtained from the input record will be translated from ASCII to EBCDIC</p>
<b>BLANKNAME={<u>NO</u>   YES}</b>	<p>Specifies whether the name segment of the input trigger record should be replaced by blanks, so the name does not appear in the output.</p> <p>Default: BLANKNAME=NO</p>
<b>TRACE={ALL   FILE   LINES   MATCHED   YES   <u>NO</u>}</b>	<p>Specifies whether or not trace messages will be generated when the job is processed.</p> <p>Where:</p> <p>TRACE=FILE, Echo trigger file records to the log. Only records after the TRACE=FILE will be echoed. If used, it is recommended that TRACE=FILE is the first record in the trigger file.</p> <p>TRACE=LINES, Issue a message indicating the logical line number and input record number of the record being traced.</p> <p>TRACE=MATCHED, only log information on records that match the trigger record.</p> <p>If TRACE=YES is specified, additional messages will be issued for each record that resides in the range of lines specified</p>



	<p>by STARTLINE/ENDLINE and is long enough to contain the trigger and name strings.</p> <p>TRACE=ALL, is equivalent to specifying all TRACE options.</p>
<b>VIEWROTATION=L   P</b>	<p>Specifies the viewing rotation for each segment. This parameter can be used to correctly set the viewing rotation of Metacode data streams converted to PDF.</p> <p>Default: None. The rotation is determined by the orientation set in the LCDS data stream. For Metacode documents, where the orientation is always Landscape, the orientation is determined by the fonts used on the page.</p>
<b>INCLUDEBLANKPAGES=NO   YES</b>	<p>Specifies whether or not XPAF should generate blank pages when required to maintain the correct side for duplexing, for example, when a DJDE SIDE=NUFRONT is encountered for a page that would otherwise be printed on the back of a sheet.</p> <p>This parameter can be used blank pages from LCDS documents converted to PDF.</p> <p>Default: The value specified by the Printer Profile parameter FEATURE=SUPBLNKPG</p> <p>Example: INCLUDEBLANKPAGES=NO</p>

### Trigger File example for an AFP data stream:

In the following example, the Line mode AFP mode data is a set of account statements with the following properties:

- The first page of each statement has the account number on line 8 (Channel 1 has been assigned to line 2)
- The account number is a seven-digit unique identifier starting in column 19
- The account number is preceded by the text "Account No." which starts in column 7.

**Note:** The ISPF column display starts with the first character of a record as column one. The trigger column number starts with the first character at offset zero. In addition, if the dataset is formatted with carriage control, the first character, in the ISPF display column one, is the carriage control character, so the data starts in ISPF column two. To convert the ISPF column number to a trigger column value, subtract two from the ISPF column number.

```
=COLS>  ----+----1-----+----2-----+----3-----+----4---
        1      *0987654321*
```

```
PADDY O'FURNITURE
27 BBQ LANE
GHOST TOWN    AK 99999-5432
```

**Account No. A123456**

The following trigger file is used to split the data:

```
*
* PDF SPLITTING TRIGGER DEFINITION FILE
*
TRACE=NO
TRIGGER="Account No."
STARTLINE=8
TCOL=7
NAMESTART=20
NAMELENGTH=7
NAMEPREFIX="TCX.G"
NAMESUFFIX=".PDF"
ENCODING=EBCDIC
```

Using the trigger file with the data defined above through the PDF transform will result in a PDF file called TCX.GA123456.PDF.

You can include an optional sequence number in the naming of the segments. For example, the following trigger definition file:

```
*
* PDF SPLITTING TRIGGER DEFINITION FILE
*
TRACE=NO
TRIGGER="POLICY NO."
STARTLINE=1
ENDLINE=10
TCOL=1
NAMESTART=12
NAMELENGTH=5
NAMEPREFIX="/u/mkean/xpaf/"
NAMESUFFIX=".PDF"
SEQUENCE_NUMBER_DIGITS=5
SEQUENCE_PREFIX="_"
ENCODING=EBCDIC
```

Will produce segment file names of the form "/u/mkean/xpaf/AAAAA\_00001.pdf"

## Points to Note

- The line number is actually the LND number in the active data map in the PAGEDEF. The Line/LND number is based on the carriage control in use when the job is processed, rather than the record number in the dataset. For example, if channel 1 has been assigned to line 5, then the record with a "Skip to Channel 1 and Print" will be on Line 5.

- An input record must be greater than or equal to the minimum length required to contain both the trigger string and the name string before it is tested for a match.
- When SPLIT\_ON\_SAME\_NAME=N, the default, has been specified, the name of the segment is saved when a trigger record is found. The name on the next matching trigger record is compared to the previous name. Only if the names differ is a new segment created.

## *Message updates*

---

The following new messages have been added:

### *XAU4155W*

---

**XAU4155W MEMBER *memname* WAS NOT FOUND IN THE AFP TRIGGER LIBRARY. THE DOCUMENT WILL NOT BE SPLIT.**

Explanation: A printer that has the splitting feature enabled, FEATURE=SPLITDOC, cannot find the AFP trigger file when processing an AFP document.

System response: Processing continues. The document will not be split.

User action: Create a trigger file for the specified jobname in the AFP trigger dataset, or use the XSPLTMEM extended JCL keyword to specify an existing trigger file.

### *XAU4156W*

---

**XAU4156W UNABLE TO OPEN THE AFP TRIGGER LIBRARY. THE DOCUMENT WILL NOT BE SPLIT.**

Explanation: A printer that has the splitting feature enabled, FEATURE=SPLITDOC, cannot open the AFP trigger library, referenced by the TRIGGERA DD JCL statement.

System response: Processing continues. The document will not be split.

User action: Check to make sure the XOSF Started Task has the AFP trigger library allocated using the TRIGGERA DD statement.

## *PA13233 / SA6238 – Messages updated*

---

The following message has been updated:

### *XCD6402E*

---

**XCD6402E COULD NOT command ITEM table entry IN TABLE table name operation. THM RC=X'return code'**

Explanation: This message is issued for diagnostic purposes. Operation identifies the type of processing that was being performed when the error occurred. The specified table entry was not found in the specified table.

System response: **Dependent on the severity of the error.**

- User action: Correct the table entry in the specified table:
- The named paper name entry should be corrected in the named paper name table.
  - The named cluster name entry should be corrected in the named cluster mapping table.
  - The named character mapping table entry should be corrected in the XPAFA2A table.
  - The named font name entry should be corrected in the XPAFXFI table.

**Note:** If this message is received indicating that the XPAFXFI table entry is missing for a recently loaded font, shutdown and restart the XOSF FSS to pick up the XPAFXFI entry.

## ***PA13242 / SA6322 – Messages added***

---

The following messages have been added:

### ***XRD6290E***

---

**XRD6290E THE FOLLOWING ERROR(S) OCCURED DURING PROCESSING OF A *object*:**

Explanation: An error occurred when processing an AFP object type of *object*. Additional messages follow

System response: Dependent on the severity of the error.

User action: Check the XOSFLOG for additional messages

### ***XRD6291E***

---

**XRD6291E *message-text***

Explanation: An error occurred when processing either an AFP Bar Code or Graphic. This is an internal error caused by a condition not handled by the conversion routines.

System response: Dependent on the severity of the error.

User action: Contact Xerox Technical support.

## ***PA55479/SA7047 – Sending split LCDS documents via Email (New Feature)***

---

PA55479 provides the following new features:

### ***Feature descriptions***

---

XPAF has been enhanced to allow the segments of a split LCDS document to be sent to different email recipients based on email addresses contained in the original data stream.

When used with the PDF transform, a PDF file for each subset is created and sent as attachment to each recipient.

In addition, to help make the trigger file more readable, XPAF has been enhanced to recognize several trigger file command formants. Trigger file commands can now be upper, lower or mixed case and can contain spaces and/or underscore characters. During the parsing process XPAF converts all characters to uppercase and removes all spaces and underscores prior to the equal sign, '=', in the command line.

For example:

```
Split on same name=Yes
```

```
SPLIT_ON_SAME_NAME=Yes
```

```
SplitOnSameName=Yes
```

Are all functionally equivalent and are parsed as "SPLITONSAMENAME=Yes"

Note: The previously defined "SPLIT\_ON\_SAME\_NAME" command has been renamed to "SPLITONSAMENAME", but the old format is still acceptable.

## Specifying the recipients email address

To instruct XPAF where to find the email address in the master document, new trigger file options are added to the trigger file.

Similar to the options required to specify the segment split and name, additional options are provided to identify the record containing the email address and the addresses location in the record.

For example, the master document may contain multiple reports that are each proceeded by a banner-like page that contains a record with the text "Mail to:" followed by the email address, such as "Mail to: John.Smith@example.com".

## Specifying email options in the trigger file

Additional trigger options are now available:

Option	Description
* in column 1	Comment
EMAIL_TRIGGER="trigger value"	<p>Specifies the string that is to be matched with the input data record to determine if the input record contains an email address. The "?" character can be used as a mask and will match any character in the input record.</p> <p>Example:</p> <pre>EMAIL_TRIGGER="Mail to:"</pre> <p>The input record, at the offset specified by the EMAIL_TRIGGER_COL value is compared to the trigger string.</p>
EMAIL_TRIGGER_COL=col	<p>Specifies the starting column, or offset, in the input record to compare to the email trigger string</p>

	<p>Example:</p> <p>EMAIL_TRIGGER_COL=3</p>
<b>EMAIL_TRIGGER_START_LINE=n</b>	<p>Specifies the starting line number for comparing the email trigger value to the input record.</p> <p>Where n is an integer 0 to 32767</p> <p>Example:</p> <p>EMAIL_TRIGGER_START_LINE=5</p> <p>The lowest line number to search for the email trigger record is line 5</p> <p>Default: STARTLINE=0</p>
<b>EMAIL_TRIGGER_END_LINE=n</b>	<p>Specifies the ending line number of the input record for comparing to the trigger string.</p> <p>Where n is an integer 0 to 32767</p> <p>Example:</p> <p>EMAIL_TRIGGER_END_LINE=10</p> <p>The highest line number to search for the email trigger string is line 10</p> <p>Default: The default value of EMAIL_TRIGGER_END_LINE is the value used for EMAIL_TRIGGER_START_LINE</p>
<b>EMAIL_ADDRESS_START=n</b>	<p>Specifies the starting column, or offset, of the email address in an input record that matches the EMAIL_TRIGGER value</p>
<b>EMAIL_ADDRESS_BEFORE_TRIGGER=[Y   N]</b>	<p>Specifies whether or not the email address record comes before, or after, the record that defines the trigger to split the document.</p>

## PA13248 / SA7187 – New initialization parameters

Chapter 42 “Initialization parameters” in *Section Five: XPAF Parameter and Keyword Reference* has been updated with this new information.

New option “JES2” for the BANSTYLE parameter.

### OMCOMPATM (initialization profile parameter)

**Description** Indicates whether or not XOSF should run in “Output Master” compatibility mode. This option is provided to assist customer replacing Output Master with XPAF.

When enabled XOSF will do the following:

If OPTCD=J is specified, XOSF will generate a DJDE of FONTINDEX=(0,ONE,x) rather than FONTINDEX=(0,ZERO,x)

When removing trailing blanks from a completely blank data record, the length of data will remain zero and the carriage control will be changed to an “immediate”

operation instead of spacing rather than leave a single blank the data record and using spacing carriage control

When creating the initial DJDE packet from merging extended JCL keywords with the initial data packet and more than one record is required, XOSF will issue a "Write and Space 1 line" carriage control

<b>Scope</b>	Affects processing of LCDS data streams sent to all types of printers.
<b>Syntax</b>	OMCOMPATM={ Y   <b><u>N</u></b> }
	where
Y	Indicates that XOSF should run in "Output Master Compatibility mode" and format documents in the same behavior as Output Master.
N	Indicates that XOSF should not format documents in the same manner as Output Master
<b>Default</b>	N
<b>Example</b>	OMCOMPATM=Y
<b>Overrides</b>	None.

### *XJCLDUPLEX (initialization profile parameter)*

<b>Description</b>	Indicates whether or not XOSF should honor the DUPLEX= extended JCL keyword. This parameter replaces the functionality provided by the USERMOD XUM0008. If enabled, USERMOD XUM0008 is no longer required to be applied to the system. However, the other USERMODs, or other method, of overriding the IBM DUPLEX keyword are still required for DUPLEX=YES to be valid.
<b>Scope</b>	Affects processing of LCDS data streams sent to all types of printers.
<b>Syntax</b>	XJCLDUPLEX={ Y   <b><u>N</u></b> }
	where
Y	Indicates that XOSF should interpret the DUPLEX extended JCL keyword
N	Indicates that XOSF should not interpret the DUPLEX extended JCL keyword
<b>Default</b>	N
<b>Example</b>	XJCLDUPLEX=Y
<b>Overrides</b>	None.

## *PA55483 / SA7257 – New Enhanced DJDE options.*

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The XMAILTO and XDISPLAY enhanced DJDE commands have been added to specify the recipients email address and the display name of the document, respectively when converting LCDS documents to PCL or PDF.

### *XMAILTO*

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<b>Description</b>	Specifies the email address of the recipient, when sending converted files via EMAIL.
<b>Scope</b>	Affects processing of all LCDS documents transformed to PCL or PDF.
<b>Syntax</b>	<p>@@@DJDE C XMAILTO=emailaddr</p> <p>where</p> <p>emailaddr is the 1 to 60 character email address</p>
<b>Default</b>	The email address specified for the userid, associated with the job, in the email address table (EMAILADR) or the specified by the MAILTO extended JCL keyword.
<b>Example</b>	@@@DJDE C XMAILTO=fred.smith@example.net
<b>Overrides</b>	None.
<b>Related Information</b>	Refer to the "Splitting LCDS Documents" section of the XPAF User Guide for more information.

### *XDISPLAY*

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<b>Description</b>	Specifies the display name of the document that is stored in the @XODBJDIN
<b>Scope</b>	Affects processing of all LCDS documents transformed to PCL or PDF.
<b>Syntax</b>	<p>@@@DJDE C XDISPLAY=displayinfo</p> <p>where</p> <p>displayinfo is the 1 to 127 character display name</p>
<b>Default</b>	None.
<b>Example</b>	@@@DJDE C XDISPLAY=PAYROLL REPORT FOR THIRD QUARTER
<b>Overrides</b>	None.
<b>Related Information</b>	The information provided via the XDISPLAY enhanced DJDE keyword is stored in the XODB Control Block field XODBJDIN. You must specify this field as a variable substitution variable in the job name skeleton member referenced by the XTCPJNAM printer profile parameter.



## PA13252 / SA7264 – z/OS 2.3 Support

Support for z/OS 2.3 JES2 and JES3 has been added.

After applying this maintenance on an z/OS 2.3 system, you must reassemble the XDI offsets table, XDIOFTAB, in order for XOSF to function correctly.

## PA13246 / SA8032 – LCDS conversion option new printer profile parameter

Chapter 41 “Printer profile parameters” in *Section Five: XPAF Parameter and Keyword Reference* has been updated with this information.

### LCDS\_IGNORE\_LOGO\_INK

<b>Description</b>	Specifies whether or not LOGOs colorized in an LCDS form ( .FRM) via an ink index should be reproduced as black or in the specified color when converting the form to PCL or PDF. .
<b>Scope</b>	Affects processing of LCDS data streams converted to PCL and/or PDF server.
<b>Syntax</b>	LCDS_IGNORE_LOGO_INK={Y   <b>N</b> }
	Where
	Y        Indicates that logos colorized with an ink reference in a form should be converted as black
	N        indicates that logos
<b>Default</b>	LCDS_IGNORE_LOGO_INK=N
<b>Overrides</b>	None.

## PA13259 / SA8060– New Printer Profile parameter FEATURE option AFPMCRLF

Chapter 41 “Printer profile parameters” in *Section Five: XPAF Parameter and Keyword Reference* has been updated with this information.

### FEATURE

<b>AFPMCRLF</b>	Indicates that data sent to the V-Services (DEVICE=VSERV) print server is AFP Mixed mode data and each record should b terminated with a carriage return/line feed. This feature is only applicable to DEVICE=VSERV printers.
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## PA13246 / SA8032 – LCDS conversion option new printer profile parameter

Chapter 41 “Printer profile parameters” in *Section Five: XPAF Parameter and Keyword Reference* has been updated with this information.

## LCDS\_IGNORE\_LOGO\_INK

<b>Description</b>	Specifies whether or not LOGOs colorized in an LCDS form ( .FRM) via an ink index should be reproduced as black or in the specified color when converting the form to PCL or PDF. .
<b>Scope</b>	Affects processing of LCDS data streams converted to PCL and/or PDF.
<b>Syntax</b>	LCDS_IGNORE_LOGO_INK={Y   <u>N</u> } Where Y Indicates that logos colorized with an ink reference in a form should be converted as black N indicates that logos
<b>Default</b>	LCDS_IGNORE_LOGO_INK=N
<b>Overrides</b>	None.

## PA55491 / SA8130 – LCDS conversion option new printer profile parameter

Chapter 41 “Printer profile parameters” in *Section Five: XPAF Parameter and Keyword Reference* has been updated with this information.

## LCDS\_MULTIPLE\_DJDE\_PACKETS

<b>Description</b>	Specifies whether or not XOSF will honor multiple DJDE packets for a page when converting an LCDS document to PCL or PDF. A DJDE packet is defined as a set of DJDE commands terminated by an “END” statement
<b>Scope</b>	Affects processing of LCDS data streams converted to PCL and/or PDF.
<b>Syntax</b>	LCDS_MULTIPLE_DJDE_PACKETS={Honor   <u>Ignore</u> } Where H Indicates that all DJDE packets, specified for a page, will be honored. N indicates that only the first DJDE packet, for a page, will be honored. All subsequent DJDE packets, for the same page, will be ignored.
<b>Default</b>	LCDS_MULTIPLE_DJDE_PACKETS =I
<b>Overrides</b>	None.

## PA13723 / SA8137 – LCDS conversion option new printer profile parameter

XOSF has been updated to enable the “shifting” of documents converted to PCL on the physical sheet of paper. This feature allows

Chapter 41 “Printer profile parameters” in *Section Five: XPAF Parameter and Keyword Reference* has been updated with this information.

## ***PGXSHIFT***

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<b>Description</b>	Specifies the number of dots (at 300 dots per inch) to shift a page, converted to PCL, horizontally (x direction)
<b>Scope</b>	Affects processing of LCDS data streams converted to PCL and/or PDF.
<b>Syntax</b>	PGXSHIFT= <i>value</i> Where <i>value</i> The number of dots to shift the data in the x direction. May be specified as a negative number
<b>Default</b>	PGXSHIFT=0
<b>Overrides</b>	The PGXSHIFT value in the printer profile table can be overridden by specifying PGXSHIFT in the XJCF simulation table entry that is in effect for the document.

## ***PGYSHIFT***

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<b>Description</b>	Specifies the number of dots (at 300 dots per inch) to shift a page, converted to PCL, vertically (y direction)
<b>Scope</b>	Affects processing of LCDS data streams converted to PCL and/or PDF.
<b>Syntax</b>	PGYSHIFT= <i>value</i> Where <i>value</i> The number of dots to shift the data in the y direction. May be specified as a negative number
<b>Default</b>	PGYSHIFT=0
<b>Overrides</b>	The PGYSHIFT value in the printer profile table can be overridden by specifying PGYSHIFT in the XJCF simulation table entry that is in effect for the document.

Chapter 16 “Additional Feature – Enabling XJCF Simulation processing” in *Section Two: Installing and Customizing XPAF* has been updated with this information.

<b>Non-DJDE Keywords</b>	The FORMS, CLASS, DEST and WRITER tables can contain the following additional non-DJDE keywords: <ul style="list-style-type: none"> <li>• PGXSHIFT</li> <li>• PGYSHIFT</li> </ul>
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## ***PA13276/SA8235 – New GLOBAL email options***

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PA13276 provides new options when sending an email notification to the global administrator(s):

Option	Description
* in column 1	Comment
<b>GLOBAL(name)</b> <b>NOTIFY(condition)</b> <b>[NOATTACHMENTS]</b> <b>EMAIL(emailaddress)</b>	<p>Use this option to define global network administrators for the OS/390 environment. You can include as many instances of this definition as you need.</p> <p><b>name</b> [NOATTACH  nnnnnnn) is for identification purposes only, and specifies the administrator's known name. It is not used in the SMTP protocol generation. <b>If the special name of NOATTACH is used, any generated file that would normally sent as an attachment, will not be sent to this administrator.</b></p> <p><b>condition</b> [ERR   ALL]</p> <p><b>ALL</b> specifies that the administrator should receive e-mail notification for all documents produced (those that print successfully and also those that receive an error).</p> <p><b>ERR</b> specifies that the administrator should receive e-mail notification only if there is an error producing a document.</p> <p><b>NOATTACHMENTS</b> indicates that any email attachment, normally generated for this document, will not be sent to this administrator.</p> <p><b>emailaddress</b> is the email address of the administrator who will receive the e-mail notification.</p> <p>Examples:</p> <p>GLOBAL(John) NOTIFY(ERR)</p> <p>EMAIL(John.Smith@my.company.com)</p>

### Updated Email address table example in XPFSAMP(EMAILADR)

The sample email address table, provided in XPFSAMP(EMAILADR), has been updated.