Printing Systems Division

Infoprint Manager for Windows PTF UO00043 (March 2005) Release Notes

Version 2 Release 2

March 22, 2005

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> **Note!**
> Before using this information and the product it supports, read the information in "Notices" on page 7.

First Edition (March 2005)

This edition applies to IBM Infoprint Manager for Windows, Version 2 Release 2 Modification 0, PTF UO00043, and to all subsequent releases and modifications until otherwise indicated in new editions. Be sure to use the correct edition for the level of the product.

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About PTF UO00043 (March 2005)

PTF UO00043 (March 2005) for Infoprint Manager for Windows, Version 2 Release 2, includes a major revision of *Infoprint® Manager: SAP R/3 Planning and Configuration Guide*, S544-5902. The information is available from the Printing Systems Division home page on the Web at `http://www.ibm.com/printers` or in the Printing Systems Division Information Center at `http://publib.boulder.ibm.com/infocenter/printer/index.jsp`.

This PTF includes:
- "Support for files larger than 2 gigabytes"
- "Support for MVS JCL parameter values with NLS characters" on page 3
- "Cyrillic support added to sap2afp transform" on page 3

Support for files larger than 2 gigabytes

Infoprint Manager for Windows® now includes support for files larger than 2 gigabytes. This support is only available for jobs submitted to Infoprint Manager through a hot folder, MVS Download, or by the **pdpr** command line and processed by PSF TCP/IP and PSF Channel attached printers.

The 2 gigabyte support allows a **pdpr** command client, an MVS Download client, or a hot folder to submit files greater than 2 gigabytes to an Infoprint Manager for AIX or Infoprint Manager for Windows server that also supports files greater than 2 gigabytes. The support for files greater than 2 gigabytes is **not** available for other clients: Infoprint Select, Submit Express, Infoprint JobTicketer, IPP Gateway, Windows Gateway, and LPD.

When you are working with files that are greater than 2 gigabytes with the **pcl2afp** transform, you may want to set the **-j** flag to **9999** in the configuration file for the transform. The **9999** value removes any limit on the time to transform the file. For information about the **pcl2afp** configuration file and where it is located, see the description of the transform under "Infoprint transform commands" in Chapter 2, "Infoprint Manager tools" of *Infoprint Manager: Reference*, S544-5475-16.

If you submit a job from a **pdpr** client that is not enabled for large files (older or unsupported version) to a server that is large file enabled, unpredictable results occur.

The Transform Subsystem can process jobs with files greater than 2 gigabytes submitted with a **pdpr** command as long as the command being called has support for files greater than 2 gigabytes.

The following do not include support for files greater than 2 gigabytes:
- The HP-UX and Sun Solaris **pdpr** command line clients
- DPF
- The **pdaccount** command when collecting octets completed by destination or user
- Infoprint Transform Manager

Infoprint Manager data format support for greater than 2 gigabyte files

Data format	Windows	AIX®
MOD:CA	Supported	Supported
Note: Embedded PostScript and PCL objects in AFPDS are not supported if the **ps2afp** or **pcl2afp** transform produces AFP™ output that is greater than 2 gigabytes.		
PostScript	Supported	Not supported
PDF	Not supported	Not supported
Line data	Supported	Supported
PCL	Supported	Not supported
XML	Not supported	Not supported
Xerox	Not supported	Not supported
SAP	Not supported	Not Supported
PPML	Not supported	Not supported
TIFF, JPEG, GIF	Not supported	Not supported
ASCII	Not supported	Not supported

Infoprint Manager output format support for greater than 2 gigabyte files

Output format	Windows	AIX
Booklet print	Not supported	Not supported
Booklet print with integrated cover	Not supported	Not supported
Side-by-side copies	Not supported	Not supported
Slit-and-merge	Supported	Supported
Simple-n-up	Supported	Supported

Changes to attributes

The changes described in this section refer to the "Usage Guidelines" that are included in the *Infoprint Manager: Reference* manual with the **file-size-range-supported** and **large-file-enabled** actual destination attributes. These attributes can be found in Chapter 3, "Infoprint object attributes" under the heading "Attributes for actual destinations".

file-size-range-supported actual destination attribute

With the addition of 2 gigabyte file support in Infoprint Manager for Windows, the last **Usage Guideline** that states "If you are using Infoprint Manager for Windows, do not change the **file-supported-range-supported** actual destination attribute; use the **Default value**." no longer applies. When the 2 gigabyte file support is applied, the **Default value** for Infoprint Manager for Windows for PSF TCP/IP and PSF channel attached printers changes to **0:9223372036854775800**.

large-file-enabled actual destination attribute

With the addition of 2 gigabyte file support in Infoprint Manager for Windows, the **Usage Guideline** that states "If you are using Infoprint Manager for Windows, do not change the **large-file-enabled** actual destination attribute; use the **Default**

value." no longer applies. When the 2 gigabyte file support is applied, the **Default value** for Infoprint Manager for Windows for PSF TCP/IP and PSF channel attached printers changes to **true**.

Support for MVS JCL parameter values with NLS characters

With PTF UO00043 (March 2005), support is now provided for MVS™ JCL parameter values with NLS characters. MVS JCL parameters with NLS characters are used for address, department, programmer name, room, and so forth.

With Infoprint Manager for Windows, the **Add MVS Receiver** dialog box within the Infoprint Manager Management Console (MMC) was revised to include a **Mapping Options** section.

The **Mapping Options** section should be used when your Job Control Language (JCL) parameter values contain National Language Support (NLS) characters:

- Select **Basic** if you want to use a limited hard-coded conversion table. With **Basic**, NLS characters are converted to an underscore character (_) so that an invalid character is not inserted into the DBCS environment.
- Select **Custom** if you want to specify the **Host Code Page** used when the JCL was submitted or the **Local Code Page** where the MVS Download receiver is running. When you select **Custom**, you must specify the **Host Code Page**; however, specifying the **Local Code Page** is optional. If you do not enter a **Local Code Page**, the receiver queries the system code page and uses it instead.

  If you only select **Custom** with a **Host Code Page** and the code page conversion fails, the receiver uses the default conversion table (inter-operable Latin-1 characters).

You can specify **Basic** and **Custom** together. When **Basic** and **Custom** are both selected, and the code page converstion fails, the NLS characters in the JCL parameter values are converted to an underscore character (_) so that an invalid character is not inserted into the DBCS environment.

When neither **Basic** nor **Custom** is selected, the JCL parameter values are converted from EBCDIC to ASCII using the default conversion table (inter-operable Latin-1 characters).

After you have specified **Mapping Options**, you can view the change with the **View MVS Receiver** dialog box.

Cyrillic support added to sap2afp transform

The **sap2afp** transform now includes support for Cyrillic OTF (Output Text Format) and ABAP (Advanced Business Application Programming) data streams. For more information, see *Infoprint Manager: SAP R/3 Planning and Configuration Guide*, S544-5902, which is available from the Printing Systems Division home page on the Web at `http://www.ibm.com/printers` or in the Printing Systems Division Information Center at `http://publib.boulder.ibm.com/infocenter/printer/index.jsp`.

Two page definitions are included with the Cyrillic support: **P1CYR182** and **P1CYR683**. See "Additional Cyrillic page definitions" on page 4 for more details on these page definitions.

Limitations

No testing on Windows XP Service Pack 2

PTF UO00043 (March 2005) has not been tested on Windows XP Service Pack 2.

APARs included in PTF U802055 and PTF UO00043

The March 2005 PTFs include these APARs:

IY63624	**pcl2afp** transform line spacing and font selection not correct
IY64620	**sap2afp** fails with ″Default Message not available″
IY65491	Jobs remain in processing or printing state even after they have printed
IY66351	023F nack w/ print 1 page
IY67160	Transform subsystem **%j** value not as documented
IY66253	Hot folder jobs disappear when /var/pd full
IY62451	NLS in MVSD Receiver's Attrib Value
IY66796	pseg coordinate system lost
IO00128	MVSD receiver for Windows cannot print a percent sign in JCL
IO00354	Server crash when rip fails with many errors
IO00518	Allow neg ovly offsets on PMCs
PQ97073	ACIF(At level PQ93772 in IPM Windows v2.1.0 and IPM AIX v4.1.0) is not able to locate resources with the .FDE and .FDEF38PP extensions if the reslib, userlib, etc... is specified with a trailing \ or / (depending on platform). For example, reslib=/data/resources/
PQ98316	1) When using TrueType fonts, if a user specifies EXTENSIONS=PASSOID to get the OID from the RAT, there are an extra six bytes of x-⎸00⎹ at the end of the BRS structured field, and not all of the OID data is passed correctly. 2) On the BRS structured field when TT fonts are saved in the RESOBJDD files, the object type OID for a font collection is wrong. It is x-⎸06072B120004010133000000000000000⎹ but should be x-⎸06072B120004010135000000000000000⎹.
PQ95325	Incorporate PSF/MVS APAR OA05555 into ACIF. That is, add PRINTJOB finishing support. This support allows customers to staple their header, trailer, user pages, and message pages all together. The PPFA APAR that enables this function is PQ80950.

Note: These APARs are against Infoprint Manager for AIX Version 4.1 and Infoprint Manager for Windows Version 2.1.

Documentation updates

Information that has changed since it was published is marked with a vertical bar (I) to the left of the change.

Additional Cyrillic page definitions

The following section comes from Appendix D, "Form definitions and page definitions supplied with Infoprint" in *Infoprint Manager: Reference*, S544-5475.

Page definitions for A4-sized paper

Table 1. Page definitions for A4-sized paper

Page Definition	Printable Area (Width by Height, In Inches)	Print Lines per Page	Print Position: Down or Across	Recommended Font	Printing Direction	Page Orientation
P1C09182 [1]	7.94 by 11.36	91 at 8.2 lpi	25/0	**GT12**	Across	Portrait
P1CYR182 [1, 5]	7.94 by 11.36	91 at 8.2 lpi	25/0		Across	Portrait
P1CYR683 [1, 2, 3, 5]	10.67 by 7.94	66 at 8.5 lpi	24/224		Down	Landscape
P1V0436B [2]	10.67 by 7.11	43 at 6.1 lpi	30/0	**GT10**	Up	Landscape
P1V04863 [1, 2]	10.67 by 7.94	48 at 6.1 lpi	30/0	**GT10**	Down	Landscape
P1V0588B [2]	10.67 by 7.11	58 at 8.2 lpi	24/0	**GT12**	Up	Landscape
P1V0598B [2]	10.67 by 7.11	59 at 8.2 lpi	24/0	**GT12**	Up	Landscape
P1V0608B [2, 3]	10.67 by 7.11	60 at 8.5 lpi	24/224	**GT15**	Up	Landscape
P1V0618B [2, 3]	10.67 by 7.11	61 at 8.5 lpi	24/224	**GT15**	Up	Landscape
P1V06483 [1, 2]	10.67 by 7.94	64 at 8.2 lpi	24/0	**GT12**	Down	Landscape
P1V06683 [1, 2, 3]	10.67 by 7.94	66 at 8.5 lpi	24/224	**GT15**	Down	Landscape
P1X04763 [2, 4]	10.60 by 7.77	47 at 6.1 lpi	30/0	**GT10**	Down	Landscape

1. Designed to work with 3820, 3827, 3835 printers.
2. Designed to work for letter-sized and A4-sized paper.
3. The printable area is 9.74 by 7.94 inches because of the 224 logical unit offset in the "Print Position: Down/Across" column.
4. Designed for use with HPCL and PPDS data streams.
5. Designed for Cyrillic support for the **sap2afp** transform and shipped with the Infoprint Manager: SAP Print Feature. This page definition calls the codepage T1001172 (Cyrillic Multilingual with Box Draw) with character set CZ4203 (Courier Normal) and CZ4403 (Courier Bold) directly.

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