

# SPOOL-A-MATIC

Version 1 Release 6 Modification 0  
Enhancement Summary  
Program Number 2A55-SAM

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**Fifth Edition (January 2003)**

***GUMBO*** *Software, Inc.*

809 W Howe St  
Seattle, WA 98119

Phone: (206) 284-5078  
Fax: (206) 284-5029  
E-mail: [support@gumbo.com](mailto:support@gumbo.com)  
Web: [www.gumbo.com](http://www.gumbo.com)

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## Installation Instructions

### Restoring the new release

Read the Enhancement Summary to determine if any changes affect your installation. To install Ver 1 Rel 6 Mod 0, sign on as the security officer.

1. Verify that your machine is at OS/400 V4R5M0 or later by running:

```
DSPDTAARA DTAARA(QGPL/QSS1MRI)
```

2. Mount the distribution media in the appropriate device.
3. Submit the Restore Licensed Program (RSTLICPGM) command to batch:

```
RSTLICPGM LICPGM(2A55SAM) DEV(device-name)
```

4. Enter your permanent authorization code.

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## Enhancements for Spool-A-Matic Version 1 Release 6 Modification 0

### What's In This Section

This section provides information on Spool-a-Matic enhancements for the current release, notes any customer code implications, and describes where to find more information when applicable.

### Replace Parameter Clarified

The REPLACE() parameter was previously describe as controlling object existence. More accurately, it describes processing of data when the object already exists. For REPLACE(\*NO), data in an existing object is not replaced and the SPLCONVERT command ends in error. For REPLACE(\*YES), data in the pre-existing object is replaced, not the object. The distinction is important because the existing attributes of the object, for example code page are not replaced, just the data. Wording of the help text has been updated.

### PDF Color Processing Enhanced

PDF color support has been enhanced. All of IBM's new FS42 specification including 32 bit color and new color space specification keywords have been implemented.

### PDF Media Overlay Added

A new PDF media overlay (PDFOVL) parameter has been added. It specifies an overlay to be added to the media (paper) before the contents of the page are rendered. All other content on the page overwrites the content of this overlay. If the spooled file contains an overlay made up of a large image, for example, the contents of this overlay may not be visible. The overlay may not contain other print resources such as page segments. CHAR(8), CHAR(10)

**Note:** This parameter is ignored for transforms except those that generate Adobe's Portable Document Format (PDF).

The possible values are:

**\*NONE**

The PDF document does not have a media overlay.

**\*GREENBAR**

An overlay that emulates green bar paper in landscape orientation is used.

**\*BLUEBAR**

An overlay that emulates blue bar paper in landscape orientation is used.

**\*COPY**

An overlay with the word "COPY" in large faint letters diagonally across the page is used.

**overlay**

Specify the name of the media overlay to apply.

**PDF Open Options Added**

A new PDF document open options (PDFDOCOPN) parameter has been added. It specifies how the Acrobat work area appears when a user first opens the PDF document.

**Note:** This parameter is ignored for transforms except those that generate Adobe's Portable Document Format (PDF).

PDF documents can be configured to control the behavior of Acrobat when the document is opened. The configuration settings are the same as those found in the full version of Acrobat under File -> Document Properties -> Open Options. With the settings, you can control the Initial View, Window Options, and User Interface Options in effect when the document is opened. You can for example configure the document to hide the Acrobat menu bar, tool bar and window controls and to display in full screen mode when it is opened.

**PDF Author Parameter Added**

A new PDF document author (PDFDOCATH) parameter has been added. The parameter allows you to specify the author of the PDF document. The default value is \*CRTUSRPRF (the user profile that created the spooled file) which gives the original behavior.

**Note:** This parameter is ignored for transforms except those that generate Adobe's Portable Document Format (PDF).

**PDF Keywords Parameter Added**

A new PDF document keywords (PDFDOCKWD) parameter has been added. The parameter allows you to specify keywords for the PDF document. The default value is \*NONE which gives the original behavior.

**Note:** This parameter is ignored for transforms except those that generate Adobe's Portable Document Format (PDF).

**Allow Gumbo Printer \*DEV D Source File Specification**

Gumbo logical printers, by default, use source from a file with the same name as the device in the QUSRSYS library. Now you can specify a different source file name by specifying it on the device description's User-defined object (USRDFNOBJ) parameter. To specify the Gumbo logical printer ABC should use source file QGPL/DEF, run the following command:

```
CHGDEVPRT DEV D(ABC) USRDFNOBJ(QGPL/DEF *FILE)
```

**Note:** The source member's name must be the same as the device name, as before.

**Change/Delete Gumbo Printer Commands Added.**

New commands to directly change or delete a Gumbo Logical Printer have been added.

## Partition Only Licensing Option Added

Gumbo Software, Inc. now offers two choices for licensing our software products for your iSeries Server, system wide licensing and partition licensing. A system wide license applies to a specific iSeries Server serial number and processor group and is good for any and all partitions in the system. A partition license applies to a specific iSeries Server serial number, partition number, and maximum processing capacity, and is not valid for a system that has not been partitioned.

**Note:** All pre-existing licenses are system wide licenses.

The price of system wide licenses for all of our products, with the except of Report Designer, are tier priced based on your iSeries Server's processor group. You can determine your machine's processor group by running OS/400's WRKLICINF command.

The price of partition only licenses for all of our products, with the except of Report Designer, are based on the maximum processing capacity configured for the partition (rounded up to the nearest tenth). You can determine your partition's maximum processing capacity by running OS/400's STRSST command and taking option 5.

## SPLAMATIC Option 10 Processing Changed

Processing performed by option 10 of the SPLAMATIC menu has been changed. The option now checks that the product has been correctly installed by running the Check Product Option (CHKPRDOPT) command.

## RTVGSIPTF Command Removed

The RTVGSIPGM command which was ECS modem based PTF retrieval has been removed from the product. PTFs are available for download at [www.gumbo.com](http://www.gumbo.com). You should change your procedures to use this source.

## Additional Corrections and Fixes

A wide range of additional corrections and fixes were made to Spool-a-Matic These include:

**Note:** Thanks to all who reported problems or assisted in their resolution.

- o TXT Generator
  - New \*TXTFF Transform Added. When converting with the \*TXT transform, each page is "filled" to its full length using empty lines (i.e <CR><FL>). A new \*TXTFF transform was added which produces the same results as \*TXT except that pages are completed using a single <FORM FEED> control. This is important for some indexing software.
  - AFPDS Limitation Noted. There is a limitation when converting AFPDS spooled files to text. If the lines of a spooled file are printed out of sequential order, the results will not be as expected. The text processor does not have the ability to "move backward" in the generated data and insert new data into a line that was previously passed. The new data for a preceding line is placed on the current line giving undesirable results. This limitation may be addressed in a future release.
- o PDF Generator
  - Text Positioning Error Corrected. A text positioning error was introduced with a PTF. The error affected PTOCA underscored and/or overstruck data.
  - Tolerate certain non-standard font data when imbedding Type 3 fonts.
  - Potential for dropping or mis-assigning Xobject local resources corrected.
  - Print text estimated positioning improved after font change without positioning control.
  - Barcode positioned outside the object area was being cropped.
  - PDF was incorrectly rotating pages for some spooled files if the Highlight flag was set in the spooled file's attributes.
  - Some G4 images were incorrectly processed.

- Print text line colors are now honored.
  - Document page/zoom specification added to open options.
  - Large color images incorrectly contained white lines.
  - Open options opened to wrong page.
  - Full color image processing performance was substantially improved through the use of PDF's new color blending functions. Acrobat 5.0 or higher is required to correctly few the resulting file. Older versions of Acrobat show the black layer only.
  - Imbedded type 3 (raster) font specifications now include /ToUnicode Cmap specification. This allows the generated file to be correctly searched.
  - Windows 2000 and Acrobat 5.0 add a PDF Properties Tab to the properties display (right click file->properties). Internal changes in the generated PDF enable this function for Gumbo generated files.
  - Some third party tools (such as indexing tools) for manipulating PDF files depend on Acrobat APIs supplied by Adobe. Internal changes in the generated PDF allow the Adobe APIs to accurately read Gumbo generated files.
  - A Book mark error which was introduced was corrected.
  - Certain (rare) 4 bit CMYK color images could produce mangled images.
  - CMYK 4 bit image processing was changed to enhance speed and appearance.
  - Margins used with \*COR processing for A4 paper size were corrected.
  - \*COR processing for \*IPDS spooled files was corrected.
  - Acrobat 5.0 gets a stack frame error when "the hand" is used to move the document. The problem is incurred when individual pages of a spooled file reference multiple resources (page segments and overlays). The problem was introduced by PTF on or about 2002/08/21 and corrected by PTF on 2002/09/19.
  - Start page checking extended to all SCS data to account for blank pages in order to correct a "wrong page - right overlay" problem.
- o Font Miscellaneous Corrections And Updates
    - MCH0601 was possible during the processing of font resource information.
    - A Unicode equivalent array is now added to generated codepage spaces during processing.
  - o Mixed Object Content Architecture Processor
    - Several generators of MODCA data streams incorrectly account for triplet lengths when specifying the structured field length. Originally this was considered a hard error by the code and processing was terminated. Then, individually, some functions relaxed this and produced only warning messages. The interpretation of length errors has been relaxed for all functions which now issue one and only one warning each.
    - Several generators of MODCA data streams incorrectly generate duplicate end document structured fields. This caused a state stack underflow error and terminated processing. The error is now tolerated without complaint.
  - o SNA Character String Processor
    - Blank page suppression removed. Previously the SCS parser suppressed blank pages on the theory that they weren't needed. For some spooled files this lead to overlays being placed on the wrong page. Suppression was removed.
  - o Logical Printer Miscellaneous Corrections And Updates
    - Logical Printers were not honoring Partition Only Licenses.
  - o RTF Miscellaneous Corrections And Updates
    - Additional RTF Paper Sizes Added. Several transforms for new RTF paper sizes were added. These are: **\*RTFSTATEMENT**, **\*RTFEXECUTIVE**, **\*RTFLEDGER**, **\*RTFA5**, **\*RTFA3**, **\*RTFB5**, and **\*RTFB4**.