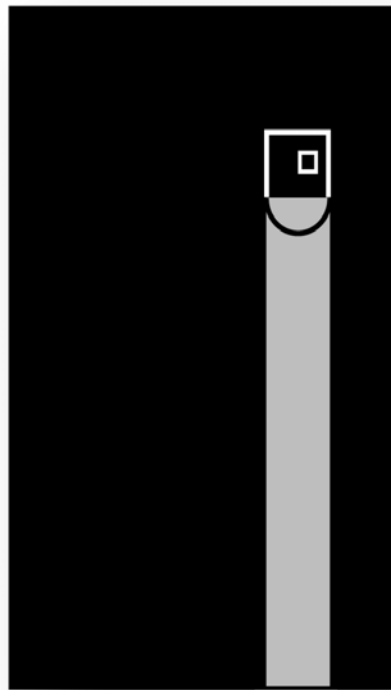


# PSS VM 7.14 announcement

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## New Mainframe Software **Print SubSystem 7.14**

*"AFP printing and AFP2PDF conversion"*



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TECH

## PSS VM 7.14 Announcement

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### The successor for PSS 7.14 is now available.

Print SubSystem™, PSS is a printing subsystem for z/OS and OS/390 (PSS/MVS) and VM (PSS/VM). PSS mainframe software provides an AFP, XML and line data printing solution using PCL and PostScript printers.

PSS/VM provides PCL and PostScript output and printing. PDF is only produced in combination with the windows server solution DocOut.

PSS is simple to install and use, which also provides a reliable method of host generated PDF and e-mail output as an add-on to your printing solution.

More information can be found here:

[www.mpitech.com/mpitech.nsf/pages/print-subsystem\\_en.html](http://www.mpitech.com/mpitech.nsf/pages/print-subsystem_en.html)

#### Key Features for PSS 7.14

- ✓ Compliant with all z/VM levels
- ✓ CP spool printing
- ✓ Input format in AFP, XML and Line Data
- ✓ Support for outline font
- ✓ Support for full color
- ✓ Output in PCL and Postscript

PSS 7.14 accumulates the delivered bug fixes from PSS 7.12 thereby improving the stability and performance of the application.

## *PSS 7.14 is available from June 25, 2010*

#### Important dates

PSS 7.12 will be withdrawn from marketing. MPI Tech will maintain support and warranty service on PSS 7.12 for customers holding valid maintenance until end of December 2010. However, any further development and enhancements will be performed on PSS 7.14. Customers holding maintenance will be offered PSS 7.14 for any corrective action.

#### Upgrade for current users

Current users of PSS holding a valid maintenance contract will be offered a free upgrade to PSS 7.14 with similar options. PSS 7.14 can be installed 'on top' of the already running PSS installation hereby maintaining existing printer definitions and configurations. Upgrade to version 7.14 will require a new license key for the installation.

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## *PSS 7.14 features the following new functions*

### **Finishing control**

BOTTOM-RIGHT TOP-RIGHT TOP-LEFT BOTTOM-LEFT BOTTOM-RIGHT TOP LEFT

### **IMAGE= 300 | 600 | INPUT**

**Description** This keyword is for PostScript streams only.  
It is used to define if bilevel images should be scaled by system or by the printer

**Notes** INPUT indicates that the printer should scale the bilevel images.  
When Image scaling is set to INPUT, system will send the image to the printer in the resolution from the input data stream.  
This option is recommended for PDF output.  
300 and 600 indicate that system should scale the bilevel images to 300 DPI or 600 DPI.  
These options are recommended for PostScript output. Be aware that 600 DPI will decrease the performance.

### **DENSITY= HIGH | LOW | USER | XHIGH | XLOW | XUSER (X parms are new)**

**Description** Sub-parameter used with color output to adjust the quality of color bit image output.  
This value will only be used for color or gray scaled pictures if COLOR=YES is specified.

**Notes** A setting of HIGH, LOW or USER indicates that color image output will be stored internally in a 150 DPI buffer.  
When RGB bitmap are generated (PCL5 printers), a setting of HIGH will produce an output image of 150 DPI.  
This value produces good quality output for photos, however the size of the generated data stream is large.  
Use the LOW option to print in 75 DPI and generate a smaller data stream.  
When ACM outputs JPEG image (PostScript or PDF), a setting of HIGH uses a quantized table of 75% and LOW uses a quantized table of 50%.

When USER is specified, ACM uses the quantized table from the input JPEG image or when other types of image than JPEG are used, a quantized table of 100% is applied.

A setting starting with X (XHIGH, XLOW or XUSER) indicates that color image output will be stored internally in a 300 DPI buffer.  
It will give a better result of the final picture, but 4 times more memory is used. The output will also grow by a factor of 4.

When ACM outputs RGB bitmap, XHIGH and XUSER output in a resolution of 300 DPI and XLOW outputs in 150 DPI.

When ACM outputs JPEG image, XHIGH uses a quantized table of 75% and XLOW uses a quantized table of 50%.

If XUSER is specified, ACM uses the quantized table from the input JPEG image, for non JPEG images a quantized table of 100% RGB bitmap is used when output is PCL5.

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When output is PDF or PostScript JPEG will be used.

On monochrome PCL printers the picture will be gray scaled and the output will be a 300 DPI bitmap.

On monochrome PostScript printers the picture is stored internally in the same way as a color picture, but only in gray samples, and the output will be a gray scaled JPEG image.

On older color printers the picture will be dithered by ACM and the output will be in 7 planes of 300 DPI bitmap.

This setting can be used together with BRIGHTNESS, SATURATION and CONTRAST to adjust the color settings for an individual printer.

### **ASSUME\_RIDIC\_UNPAD= NO | YES**

**Description** This sub-parameter has effect on IOCA FS10 Images with G4 MMR compression.

Here it can be defined how system shall act if there are errors in the AFP data stream.

When this sub-parameter is set to YES system will treat the Recording Image Data Inline Coded AFP input as unpadding.

When this sub-parameter is set to NO system will honour the settings in the Recording Image Data Inline Coded AFP input.

### **FAIL\_ON\_IMAGE\_ERROR= NO | YES | RETRYCONT | RETRYFAIL**

**Description** Defines how system acts if the rendering of an Image results in an error. An error message will be generated whatever option is selected.

YES indicate stop processing the job, NO indicate continue processing the job.

RETRYCONT and RETRYFAIL will force system to try other Image options to generate a valid Image.

In the current version this means opposite padding option for G4 MMR Compression.

The difference between RETRYCONT and RETRYFAIL is the behaviour if the Image is still erroneous after the retry.

### **Support for new Bar Codes**

QR Bar Code

USPS Four State

### **Enhanced email security**

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