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## **Introduction**

BarTender v7.75 supports Oracle XML label integration, also offering improved SAPscript support. Also included are powerful Printer Code Template options, support for additional entry keyboard terminals, new ways to share data between objects, new data sourcing features, a new bar code technology, and a few minor features. In addition, v775 Service Release 2 (released January 18, 2007) supports Vista edition of Windows Operating System. Each item is discussed in detail below.

## **v7.75 SR2 is Compatible with Windows Vista**

BarTender version 7.75, Service Release 2 (released January 18, 2007) is the first version of BarTender to be modified, tested and approved by Seagull for operation on Windows Vista. Users of 7.70 or higher can update their software right now for free. Users of earlier versions of BarTender should upgrade to a newer version.

<http://www.seagullscientific.com/asp/HowToUpgrade.aspx>

For more details about our testing operation on Windows Vista please see our Vista compatibility statement.

[http://www.seagullscientific.com/newsflash/070219\\_VistaCompatibility.htm](http://www.seagullscientific.com/newsflash/070219_VistaCompatibility.htm)

## **Oracle XML Label Request Support**

Oracle Warehouse Management and Oracle Mobile Supply are ERP applications included in Oracle's E-Business Suite. These applications generate XML based label requests, which specify a label format, label data, the number of copies, a printer and a print job name.

Commander (part of the BarTender Enterprise package) can create and parse this Oracle-generated XML, allowing BarTender to automatically load and print the requested label jobs. This also allows BarTender to easily be accessed from Oracle interfaces.

For more details, please see the white paper XML Integration with Oracle WMS and MSZ, available at:

<http://www.seagullscientific.com/asp/whitepapers.aspx>

## XML-based Label Printing Automation

Using the same integration support developed for Oracle WMS and MSC any application can automate label jobs by passing an XML file to CommanTrak. The XML can specify a label format name, label data, number of label copies, printer and a print job name. Please see the XML Integration with Oracle WMS and MSC Paper for more details.

## Modify Printer Code

The new Printer Code Modifier gives users the ability to make automated changes to the print code generated by a printer driver. There are different BarTender functions that can use the Printer Modifier feature:

- **For Printing.** Allows users to make on-the-fly changes to print commands before they are sent to the printer. This makes it easier to take advantage of features in the printer that may not be supported by the work-around driver or print problems and/or shortcomings. This allows users to get printing quickly in situations where they might otherwise have to wait for updates to their software.
- **For Exporting Printer Code Templates.** Provides much more powerful formatting of the output for a desired HP System. Example, this feature was used by Seagull to improve our SAP PDF export feature to add support for a variety of data-entry keyboard terminals. Printer Code Modifier simplifies Printer Code Template maintenance by eliminating any need for edits to the printed printer code.

The Printer Code Modifiers have separate interfaces, the Action List for simple changes and Visual Basic Script for more advanced manipulation. Each is described below.

### Action Lists

A list of simple actions such as Search and Replace can be read and executed in sequence to automatically alter the code before it is sent to the printer or label template. One specialized application for which Action Lists can be useful is the encoding of proprietary or specialized characters.

## *VB Scripting*

If the desired modification is more complex than the Printer Modifier Actions can perform, you can use VB scripting to the print code modification process using the BarTender VB script assistant.

### **Enhanced Printer Code Template Support**

The Modify Printer Code (as described above) has been updated to improve our existing SAPscript-ITF support and provide for more data entry keyboard terminals. In addition, users can export Printer Code Templates directly to a device instead of having to export to a file first and then use an assembler.

#### *Improved SAPscript-ITF Support*

The SAPscript-ITF print system has been updated to fully support SAP Release 4.6C. We've added support for limiting the length of lines in the file and handling certain special characters better.

#### *New Keyboard Terminal Support*

Support has been added for the EC K-007, TSC KP-1000, and EC B75 data-entry keyboard terminals.

#### *Export Directly to Device*

Now, when exporting a Printer Code Template that is intended to be stored on a data entry keypad terminal, the code can be sent directly to the appropriate port (serial, parallel, USB, or TCP/IP) instead of first to a file. This eliminates the previously required step of manually transmitting the file to the port.

### **New Advanced Data Sources**

In addition to the many data sources that BarTender supports, version 7.75 now allows label objects to read data from other objects on a label. Also, printer code template fields can now be more easily assigned to objects on the label.

## *Label Object String*

BarTender 7.5 supported sharing of data between objects, but now, it has been limited to sharing individual data fields that make up an object. It is now possible to share the object's entire string with another object. This is especially useful for:

- Printing text formats that include a check digit that was computed for a bar code.
- Printing text or bar code for the data encoded into an RFID tag.

## *Printer Code Template Field*

With the addition of Printer Code Template Fields to the selectable data source options, it is easier than ever to design label formats that will have certain data supplied by a software or hardware product after the printer code has been by BarTender. This capability is taken advantage of when performing SAP integrations and when storing label formats in XML Printers and Data-Entry Keyboard Terminals. The **Printer Code Template Field** option is now included in the list of data sources and can be easily accessed from the Modify dialog or from the Toolbox.

Printer Code Template Fields Shown in BarTender's Tool

## **Enhanced Label Object Features**

### *Image Mirroring*

With BarTender 7.5 you can now mirror an individual image on a label.

### *New Fill Color for Objects*

Boxes and Ellipses can now have a fill color distinct from the line color used to create them.

### *Text Background Color*

The background of a text field can now be set to a specific color. This is useful for creating highlight effects such as the

## **International Currency Validation**

Currency validation has been added as a data validation type. This allows you to filter label data sources to limit the display of characters to being numbers and international currency symbols (including the different decimal separators).

## **Prefix/Suffix Adjacent Text**

Nonvariable prefixes and suffixes can now be added to an object's string data. For example, a numeric currency field of 95 can add \$ as a prefix and (USD) as a suffix to create a text field of \$.95 (USD).

Prefix and Suffix Adjacent Text set using the Substring More Options Dialog

## **Japanese Postal Code Bar Code**

BarTender 7.75 has added support for the Japanese 4-State Postal Code, used by the Japanese Post Office for automatic sorting. (This is referred to as a 4-state code because the bars are printed in four different lengths and positions. By contrast, the Postnet code used by the US mail service is a 2-state code.)

## ***New Support for Informix Databases***

IBM Informix is now available as a source for label objects.

## ***New Command Line Option***

Using the new command line parameter `objName`, a user-specified order for a print job can now be displayed in the spooler instead of the job name. This allows multiple jobs to be easily identified in the print spooler.

## ***Edition Changes***

### *Enhanced Basic Edition*

BarTender 7.75 Basic Edition includes the following features previously only available in the Professional Enterprise Editions:

- Automatic alphanumeric serialization
- 2D bar codes
- Minimum/Maximum number of characters
- Character validation (when prompting)

- Prefix/Suffix strings for substrings
- UCC/EAN AI Wizard for Code 128

*Key Integration Command Line Parameters are Now Only Available Only in Enterprise Editions*

Previous to BarTender 7.75, a few command line parameters were limited to the Enterprise editions, most of the options are available in all BarTender editions. With BarTender 7.75, many of the command line parameters that are used for automating BarTender print jobs from other software packages are now only supported by the Enterprise editions. The Professional edition of BarTender supports only a very limited subset of the Command Line Interface to allow the specification of a number of print job options when running BarTender Windows folder icon.

The change of a large number of command line parameters into "Enterprise-only" features has been done to more clearly and differentiate the marketing needs of each edition. The Basic edition is intended for users with limited requirements while the Professional edition meets more advanced label design requirements. Both of these editions are intended for users who need for automation from applications. For automated printing, the Enterprise edition is recommended, as it supports all of BarTender's available command line capabilities as well as ActiveX and Commander. Please see BarTender's help system for details on using Command Lines.

## Available Seagull White Papers

### General White Papers

- The Advantage of Drivers by Seagull
- Choosing the Right BarTender Edition
- What's New in the Latest BarTender

### Integration White Papers

- Integration Overview
- Getting Started with ActiveX Automation Using C#
- Getting Started with ActiveX Automation Using VB.NET
- Getting Started with ActiveX Automation Using VBA
- Commander
- Commander Examples
- Exporting Printer Code Templates
- Using BarTender with Terminal Services and Citrix MetaFrame
- XML Integration with Oracle's WMS and MSCA

### SAP Integration White Papers

- SAP Integration Methods
- Reading SAP IDocs

### Miscellaneous White Papers

- BarTender Enterprise Licensing
- Reading and Printing International Characters Using BarTender
- BarTender Software Activation
- Using BarTender's Application Identifier Wizard
- Optimizing Label Printing Performance
- Status Monitor Overview

For downloadable versions, visit:

[www.seagullscientific.com/aspx/whitepapers.aspx](http://www.seagullscientific.com/aspx/whitepapers.aspx)

