Creating EAN/UCC 128 Bar Codes with ZebraDesigner for mySAP
(These examples were copied from the ZebraDesigner for mySAP Reference Guide)
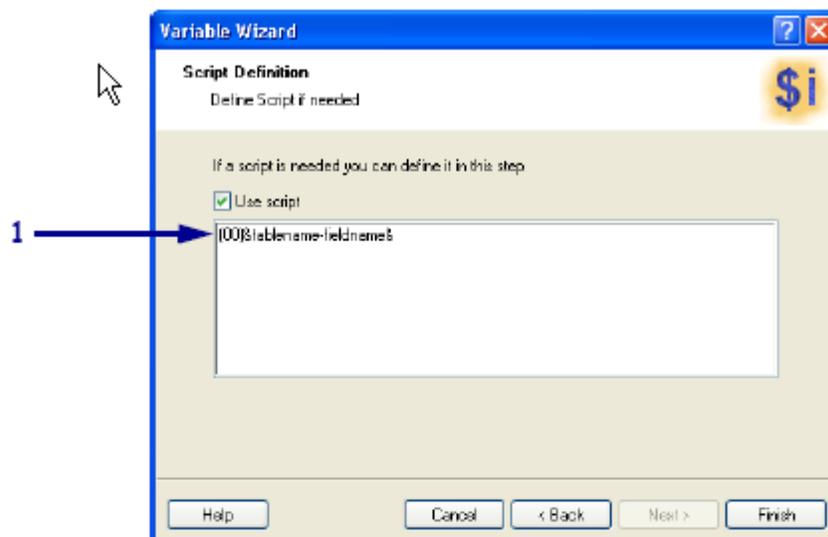
ZebraDesigner™ *for mySAP*™ *Business Suite* allows you to take advantage of native features in Zebra printers that support UCC/EAN bar codes. These are the native features in the printers:

• Automatically starting in EAN/UCC 128 mode (using Subset C followed by FNC1) • Parenthesis "()" and Spaces " " can be included within the data, for human readable formatting, but will be automatically stripped out from the bar code.
• Check-digits can be automatically calculated or corrected for Application Identifiers 00,01 and 02.
• Human readable text is automatically generated and positioned underneath the bar code with parenthesis and spaces (if placed in the data stream).
• Human readable text is automatically sized based on the width and height of the bar code.

The steps that follow are based on how to make a sample label. You can find these sample `*.lbl` files in the `C:\Program Files\ZebraDesigner for mySAP\Samples\Labels` directory. In these steps you will create two EAN/UCC 128 bar codes.

To create a sample EAN/UCC 128 bar code, complete these steps:

1. In **ZebraDesigner**™ *for mySAP*™ *Business Suite* create a label.

2. Create a variable.

3. Click Next.

4. In the Sample Data text box, type: 123456789012345678.

5. Click Next.

6. Click Next.

7. Select **Use Script**.

8. In the text box type (00)&tablename-fieldname&.
The *Variable properties* dialog box looks like this:

| 1 | The first two digits (00) are the application identifier. The remaining digits &tablename-fieldname& are the SAP set variable. |

For mySAP to send correct data it must use the script definition function. At print time, my SAP combines these two elements together in the bar code.

9. Click Finish.

10. From the Toolbox, click EAN.UPC.

11. Select EAN.UCC 128. **To put the EAN/UCC bar code on the label, complete these steps:**
12. Move the cursor on the label and click. The *Bar Code Object* dialog box opens.

13. Select **Variable** and click Finish.

14. Right-click on the bar code and select **Bar code Properties**.

15. In the Human Readable tab, select **Below bar code**.

16. Click OK.

To create the second sample EAN/UCC 128 bar code, complete these steps:

1. In **ZebraDesigner**™ *for mySAP*™ *Business Suite* create a label.

2. Create a variable.

3. Click Next.

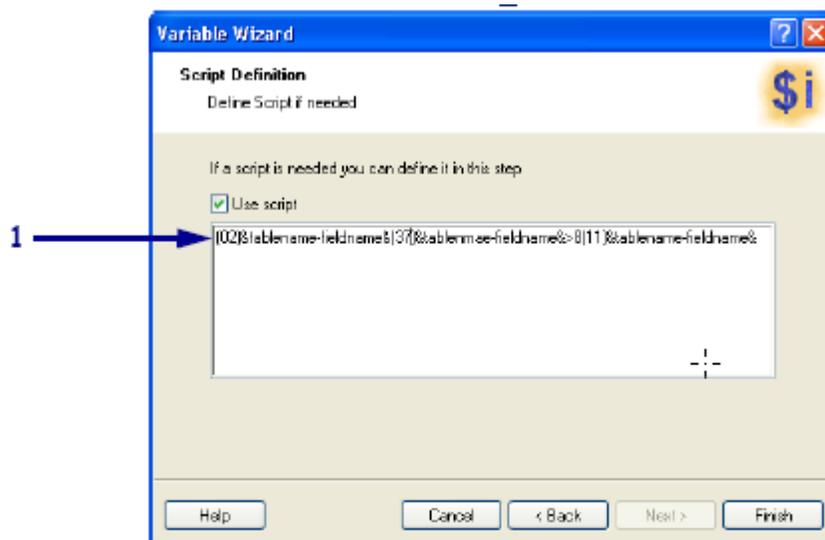**4.** In the Sample Data text box, type: 0212345678901234371011123456.

5. Click Next.

6. Click Next.

7. Select **Use Script**.

8. In the text box type: (02)&tablename-fieldname&(37)&tablename-fieldname&>8(11)&tablename-fieldname&.

The *Variable properties* dialog box looks like this:

| 1 | The first two digits (00) are the application identifier. The remaining digits &tablename-fieldname& are the SAP set variable. |

For mySAP to send correct data it must use the script definition function. At print time, my SAP combines these two elements together in the bar code.

9. Click Finish.

10. From the Toolbox, click EAN.UPC.

11. Select EAN.UCC 128.

To put the EAN/UCC bar code on the label, complete these steps:

12. Move the cursor on the label and click. The *Bar Code Object* dialog box opens.

13. Select **Variable** and click Finish.

14. Right-click on the bar code and select **Bar code Properties**.

15. In the Human Readable tab, select **Below bar code**.

16. Click OK. For more details on the specification s for the application identifiers, see the ZPL Programming Guide on Code 128 subsets.