



## Adding a New System & Printer Font in SAP® ECC 6.0

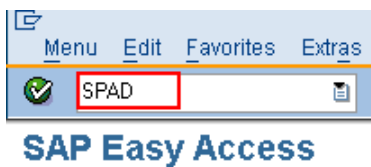
When using a font that is already stored in the Zebra printer you need to make sure it has also been added into the SAP system.

This process details how to add a new system and printer font called Caresym (Care Symbols). The font is currently stored in the Zebra printer and allocated to font identifier A8 for recall.

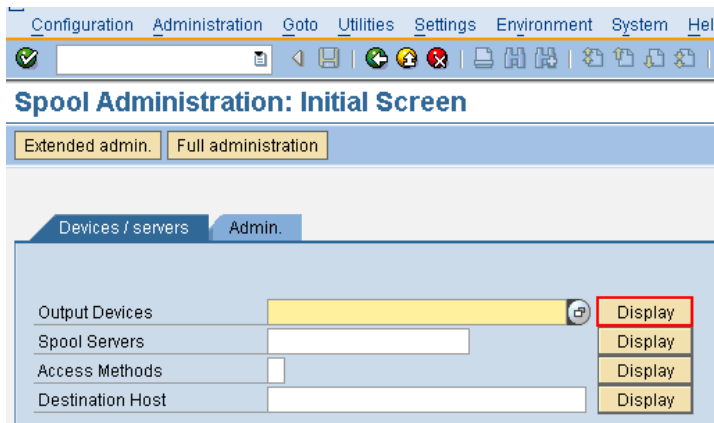
Once you have logged into your SAP system you need to check what Device Type Driver the Output Device (Printer) uses.

### 1. Checking Device Type Driver

- In the Transaction Quick Access field at the top left of the screen, enter SPAD then Enter.



- This will take you to the Spool Administration: Initial screen
- Select the Display button for a list of all the Output Devices (Printers) already setup



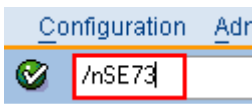
- Here is a list of the printers I have available, I am interested in using ZM600 TS. This is using the Device Type Driver of YZB200F

Dev.	K	Dev. type	Spool servers
Steves_New_Output_Device	G	YZB200	
UK_UTF8_200dpi	G	ZLB_ZEBU	
UK_Unicode_200dpi	G	YZB200U	
UK_Unicode_300dpi	G	YZB300U	
YBZ_JZ_OUTPUT_DEVICE_GK420T	G	YZB200	
YZB_Johns_300dpi_YZB300	F	YZB300	
YZB_Modine	G	YZB200	
YZB_StevesUnicode	F	YZB200U	
ZM600 TS	G	YZB200F	

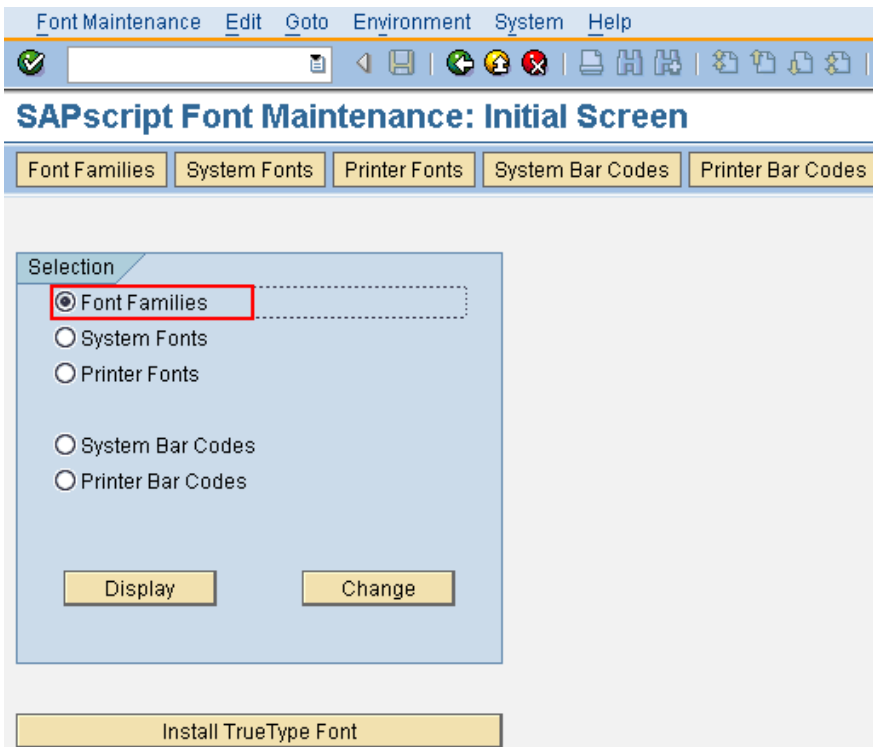
- We now have the information that the additional font I am using needs to be added into the YZB200F Device Type Driver.

## 2. Adding Font Families

- In the Transaction Quick Access field at the top left of the screen, enter /nSE73 then Enter.



- This will take you to the SAPscript Font Maintenance: Initial screen



- Select the Font Families check box and Select the Change button
- This will display the font families on the SAP system

Family	Description	P	Rp1.1	Rp1.2	Rp1.3	Character Set
ANDALE_J	Andale Mono WT J - UTF8		<input type="checkbox"/>			0000
ANDALE_K	Andale Mono WT K - UTF8		<input type="checkbox"/>			0000
ANDALE_S	Andale Mono WT S - UTF8		<input type="checkbox"/>			0000
ANDALE_T	Andale Mono WT T - UTF8		<input type="checkbox"/>			0000
HELVE	Helvetica		<input checked="" type="checkbox"/>	TIMES		0000
HELVE120	Helve120		<input checked="" type="checkbox"/>	TIMES		0000
TIMES	Times Roman		<input checked="" type="checkbox"/>	HELVE		0000
TIME_I7	ISO-7: Greek Times Roman		<input checked="" type="checkbox"/>	HELV_I7	TIMES	0000
TWDPHEI	MingMTP font		<input type="checkbox"/>	TWSONG	TWMING	0000
TWMING	MingMT		<input type="checkbox"/>	TWDPHEI	TWSONG	0000
TWSONG	MKai		<input type="checkbox"/>	TWDPHEI	TWMING	0000
ZARIAL	Arial		<input checked="" type="checkbox"/>	X		0000
ZARIALB	Arial		<input checked="" type="checkbox"/>	B		0000
ZARIALBD	Arial		<input checked="" type="checkbox"/>	B		0000
ZARIALI	Arial		<input checked="" type="checkbox"/>	I	TIMES	0000
ZARIALN			<input type="checkbox"/>			0000
ZTIMES			<input type="checkbox"/>			0000
ZVERDANA	Verdana		<input checked="" type="checkbox"/>	X		0000

- To add a new font Select the Create button (Paper icon)

### SAPscript Font Maintenance: Change Font Families

Family	Description	P	Rp1.1	Rp1.2	Rp1.3
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- The Create/Change Font Family dialog box will be displayed
- Enter the Font Family name to add and the description in the Meaning field (SAP have naming conventions: A or X for SAP, Y or Z for customers)

I have used:

ZCARESYM as the Font Family

Care Symbols as the Meaning

- Then Select the green tick to continue
- A Warning box will appear advising the SAP naming convention rules for fonts.

- Select New entry

The screenshot shows the 'SAPscript Font Maintenance: Create/Change Font Family' dialog box. The 'Font Family' field is set to 'ZCARESYM' and the 'Meaning' field is set to 'Care Symbols'. There are checkboxes for 'Proportional' and 'Character set', and three empty text boxes for 'Replacement Family 1', 'Replacement Family 2', and 'Replacement Family 3'. At the bottom, there are icons for a green checkmark and a red X.

- Then Select the green tick to continue

- The Prompt for Workbench request for Table Contents TF001 will now be displayed

The screenshot shows the 'Prompt for Workbench request' dialog box. The 'Table Contents' field is set to 'TF001'. The 'Request' field is empty and highlighted in yellow. The 'Short Description' field is also empty. At the bottom, there are icons for a green checkmark, a red X, and a paper icon, along with a button labeled 'Own Requests'.

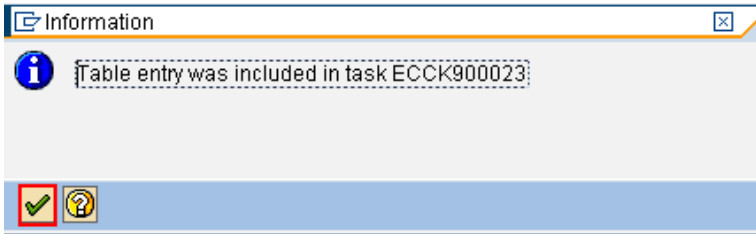
- Select the Create button (Paper icon)
- In the Short Description field enter Add Font and then Select the Save button

The screenshot shows the 'Create Request' dialog box. The 'Request' field is set to 'Workbench request'. The 'Short Description' field is set to 'Add Font' and is highlighted in yellow. The 'Project' field is empty. The 'Owner' field is set to 'ZEBRASAP07'. The 'Source client' field is set to '800'. The 'Status' field is set to 'New'. The 'Target' field is set to 'PRD'. The 'Last changed' field is set to '12.04.2012 08:53:56'. There is a 'Tasks' section with a list box containing 'User' and 'ZEBRASAP07'. At the bottom, there are icons for a green checkmark, a red X, and a paper icon.

- The Prompt for Workbench request should now be displayed with a Request field entered



- Select the green tick to continue
- The following Information dialog box should be returned stating the Table entry was included

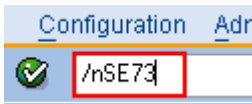


- Select the green tick to continue
- The list of Font Families will now be displayed and you should see the new font in the alphabetical list.

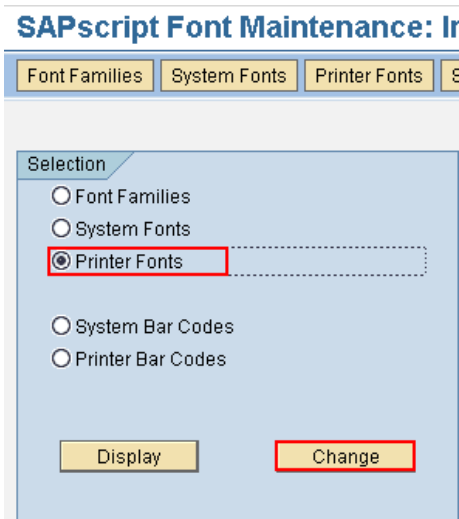
ZARIALN	<input type="checkbox"/>	0000
ZCARESYM Care Symbols	<input type="checkbox"/>	0000
ZTIMES	<input type="checkbox"/>	0000

### 3. Adding Printer Fonts

- In the Transaction Quick Access field at the top left of the screen, enter /nSE73 then Enter.



- This will take you to the SAPscript Font Maintenance: Initial screen
- Select the Print Fonts check box and Select the Change button



- This will display all the Device Type drivers on the SAP system

### SAPscript Font Maintenance: Change Printer Fonts

Device Type	Description
XDF	SAP Smart Forms: XDF Ausgabe
XFP	XFP Ausgabe
XSF	SAP Smart Forms: XSF Ausgabe
YB200	Zebra label printer 203dpi
<b>YB200F</b>	Zebra label printer 203dpi

- Highlight the Device Type you want to edit and double-click
- This will display the family of fonts contained in the selected Device Type

### SAPscript Font Maintenance: Change Printer Fonts

Device Type	Family	Font Size	Bold	Italic	CPI	PrtCtl.1	PrtCtl.2	Scaleable
YB200F	COURIER	Sca1.	<input type="checkbox"/>	<input type="checkbox"/>	10,00	SF003	SF004	<input checked="" type="checkbox"/>
YB200F	COURIER	Sca1.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	10,00			<input checked="" type="checkbox"/>
YB200F	HELVE	000	<input checked="" type="checkbox"/>	<input type="checkbox"/>	AFM	SF002	SF001	<input type="checkbox"/>
YB200F	JZARIALB	Sca1.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	AFM	00001	Arial	<input checked="" type="checkbox"/>
YB200F	ZARIAL	Sca1.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	AFM	00002	Arial	<input checked="" type="checkbox"/>
YB200F	ZARIALB	Sca1.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	AFM	00003	Arial	<input checked="" type="checkbox"/>
YB200F	ZARIALBD	Sca1.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	AFM	00004	Arial	<input checked="" type="checkbox"/>
YB200F	ZARIALI	Sca1.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	AFM	00005	Arial	<input checked="" type="checkbox"/>
YB200F	ZARIALI	012	<input type="checkbox"/>	<input type="checkbox"/>	10,00	SF002	SF001	<input type="checkbox"/>
YB200F	ZARIALN	Sca1.	<input type="checkbox"/>	<input type="checkbox"/>	AFM	SF005	SF006	<input checked="" type="checkbox"/>
YB200F	ZTIMES	Sca1.	<input type="checkbox"/>	<input type="checkbox"/>	10,00	SF002	SF007	<input checked="" type="checkbox"/>
YB200F	ZVERDANA	Sca1.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	AFM	00006	Verda	<input checked="" type="checkbox"/>

- Select the Create button (paper icon)
- Add the Font Family to be used – ZCARESYM
- Make sure Font is scaleable is selected
- Select the green tick to continue

SAPscript Font Maintenance: ...

Device type: YB200F

Font Family: **ZCARESYM**

Font Size:

Bold:

Italic:

Characters per Inch: 10,00

Print control 1:

Print control 2:

Font is scaleable:

- This will display the family of fonts contained in the selected Device Type and should now also include the ZCARESYM font.

### SAPscript Font Maintenance: Change Printer Fonts

Device Type	Family	Font Size	Bold	Italic	CPI	PrtCtl.1	PrtCtl.2	Scaleable
YB200F	COURIER	Sca1.	<input type="checkbox"/>	<input type="checkbox"/>	10,00	SF003	SF004	<input checked="" type="checkbox"/>
YB200F	COURIER	Sca1.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	10,00			<input checked="" type="checkbox"/>
YB200F	HELVE	000	<input checked="" type="checkbox"/>	<input type="checkbox"/>	AFM	SF002	SF001	<input type="checkbox"/>
YB200F	JZARIALB	Sca1.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	AFM	00001	Arial	<input checked="" type="checkbox"/>
YB200F	ZARIAL	Sca1.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	AFM	00002	Arial	<input checked="" type="checkbox"/>
YB200F	ZARIALB	Sca1.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	AFM	00003	Arial	<input checked="" type="checkbox"/>
YB200F	ZARIALBD	Sca1.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	AFM	00004	Arial	<input checked="" type="checkbox"/>
YB200F	ZARIALI	Sca1.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	AFM	00005	Arial	<input checked="" type="checkbox"/>
YB200F	ZARIALI	012	<input type="checkbox"/>	<input type="checkbox"/>	10,00	SF002	SF001	<input type="checkbox"/>
YB200F	ZARIALN	Sca1.	<input type="checkbox"/>	<input type="checkbox"/>	AFM	SF005	SF006	<input checked="" type="checkbox"/>
YB200F	<b>ZCARESYM</b>	Sca1.	<input type="checkbox"/>	<input type="checkbox"/>	10,00			<input checked="" type="checkbox"/>
YB200F	ZTIMES	Sca1.	<input type="checkbox"/>	<input type="checkbox"/>	10,00	SF002	SF007	<input checked="" type="checkbox"/>
YB200F	ZVERDANA	Sca1.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	AFM	00006	Verda	<input checked="" type="checkbox"/>

- The font needs to have the Print Control Settings 1 & 2 added to complete the font.  
The Print Control 1 (PrtCtl.1) is used to control the ZPL Character Map /Code Page used  
The Print Control 2 (PrtCtl.2) is used to control the ZPL Character Recall name used
- To access these settings click on anywhere on the require font line
- The following control box will be displayed and you need to enter the Print control 1 & 2 fields

Device type	YZB200F
Font Family	ZCARESYM
Font Size	0
Bold	<input type="checkbox"/>
Italic	<input type="checkbox"/>
Characters per Inch	10,00
Print control 1	SF008
Print control 2	SF009
Font is scaleable	<input checked="" type="checkbox"/>

- Enter a value that is higher than any other currently being used on the previous screen  
I am using SF008 and SF009.
- Then Select the green tick to continue
- A Warning box will be displayed stating the Device Type has no Print Control SF008

Warning

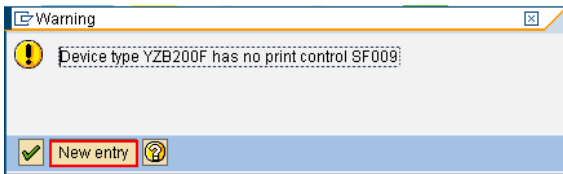
! Device type YZB200F has no print control SF008:

Buttons: [Green Tick] New entry [Help Icon]

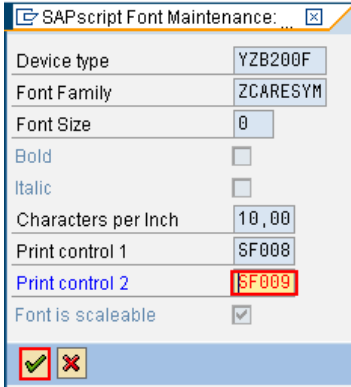
- Select New entry to add one
- The control box will be displayed and you will note that the Print control 1 field is now RED

Device type	YZB200F
Font Family	ZCARESYM
Font Size	0
Bold	<input type="checkbox"/>
Italic	<input type="checkbox"/>
Characters per Inch	10,00
Print control 1	SF008
Print control 2	SF009
Font is scaleable	<input checked="" type="checkbox"/>

- Select the green tick to continue
- A Warning box will be displayed stating the Device Type has no Print Control SF009



- Select New entry to add one
- The control box will be displayed and you will note that the Print control 2 field is now RED



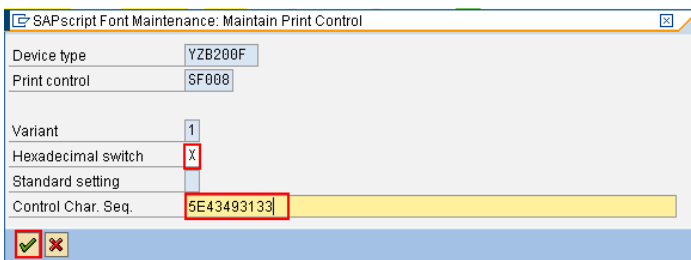
- Select the green tick to continue
- This will display the family of fonts contained in the selected Device Type with the fields filled in.

**SAPscript Font Maintenance: Change Printer Fonts**

Font Conversion | Edit Metrics | **Maint. Print Control** | TrueType Fonts...

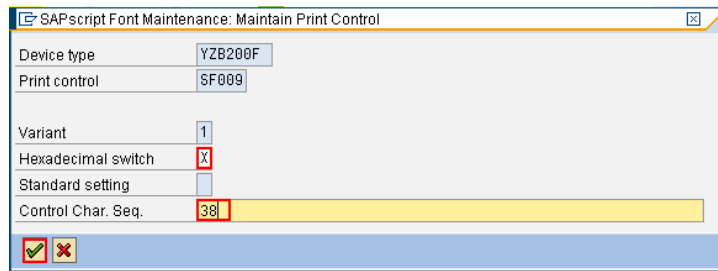
Device Type	Family	Font Size	Bold	Italic	CPI	PrtCtl.1	PrtCtl.2
YZB200F	COURIER	Scal.	<input type="checkbox"/>	<input type="checkbox"/>	10,00	SF003	SF004
YZB200F	COURIER	Scal.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	10,00		
YZB200F	HELVE	000	<input checked="" type="checkbox"/>	<input type="checkbox"/>	AFM	SF002	SF001
YZB200F	JZARIALB	Scal.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	AFM	00001	Aria1
YZB200F	ZARIAL	Scal.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	AFM	00002	Aria1
YZB200F	ZARIALB	Scal.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	AFM	00003	Aria1
YZB200F	ZARIALBD	Scal.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	AFM	00004	Aria1
YZB200F	ZARIALI	Scal.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	AFM	00005	Aria1
YZB200F	ZARIALI	012	<input type="checkbox"/>	<input type="checkbox"/>	10,00	SF002	SF001
YZB200F	ZARIALN	Scal.	<input type="checkbox"/>	<input type="checkbox"/>	AFM	SF005	SF006
YZB200F	ZCARESYM	Scal.	<input type="checkbox"/>	<input type="checkbox"/>	10,00	SF008	SF009
YZB200F	ZTIMES	Scal.	<input type="checkbox"/>	<input type="checkbox"/>	10,00	SF002	SF007
YZB200F	ZVERDANA	Scal.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	AFM	00006	Verda

- Single click the PrtCtl.1 field for the new font added
- Now Select the Maint. Print Control button at the top of the screen
- This will display the Print Control dialog box for SF008
- Set the Hexadecimal switch field to X
- Enter the Control Char. Seq. you require to use to set the Character Map  
I am using ^CI13 (Zebra Code Page 850) so this would be entered in Hex as: 5E43493133





- Select the green tick to continue
- Single click the PrtCtl.2 field for the new font added
- Now Select the Maint. Print Control button at the top of the screen
- This will display the Print Control dialog box for SF009
- Set the Hexadecimal switch field to X
- Enter the Control Char. Seq. you require to use to set the ZPL Character Recall letter  
I am using font 8 (^A8 in ZPL) so this would be entered in Hex as: 38



- Select the green tick to continue
- The font should now be available from your SAP application and should print using the selected font on the Zebra printer.

*\*\* Please Note – The font must be in the printer or it will print incorrectly when recalled \*\**

**For additional details on fonts please visit these links:**

- **Storing the Font Assignment with an Autoexec file**

The printer will not permanently store the Font Assignment command (^CW) so if the printer is powered off this setting will be lost.

We usually recommend to either send the commands at the beginning of the format, or to use an Autoexec file which will automatically send these settings upon power on.

`^XA^DFE:AUTOEXEC.ZPL^CW8,E:CARESYM.TTF^XZ`

- **Downloading ZebraNet Bridge Enterprise**

ZebraNet Bridge Enterprise can be downloaded from the Zebra website at:

[http://www.zebra.com/id/zebra/na/en/index/drivers\\_downloads/utilities/other\\_utilities/zebranet\\_bridge\\_enterprise.html](http://www.zebra.com/id/zebra/na/en/index/drivers_downloads/utilities/other_utilities/zebranet_bridge_enterprise.html)