

# **Implementation of the TSC SAP Device Type**

Ver. 1.0

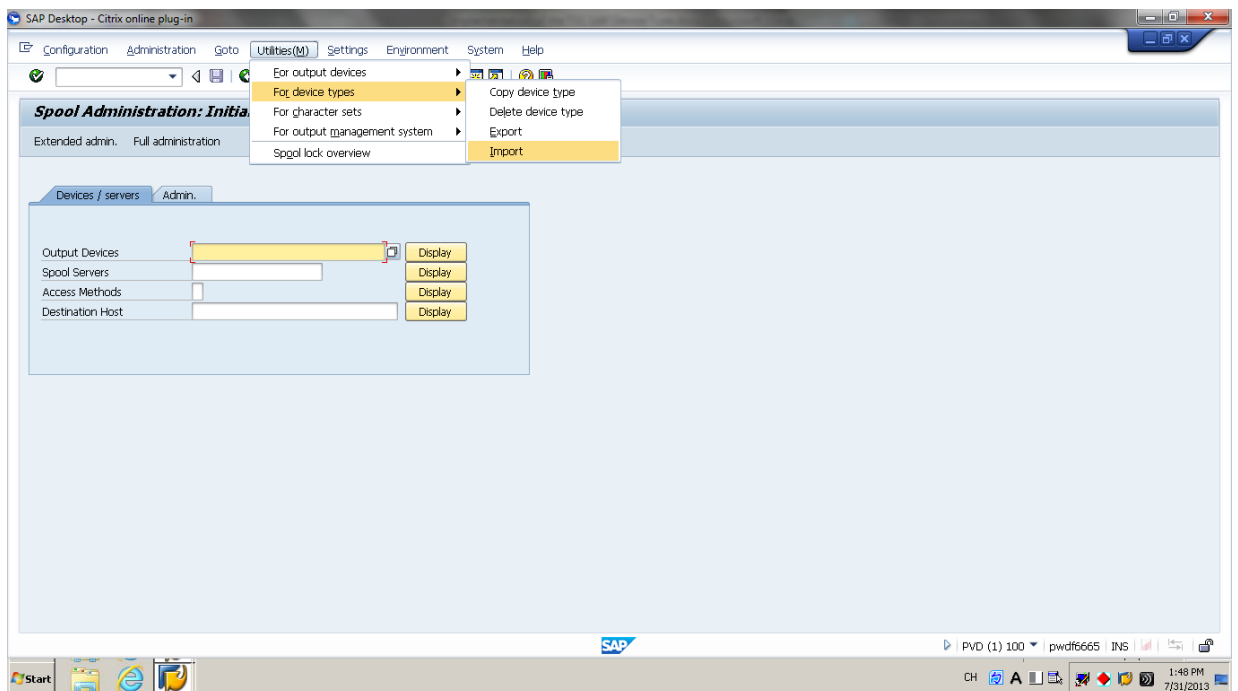
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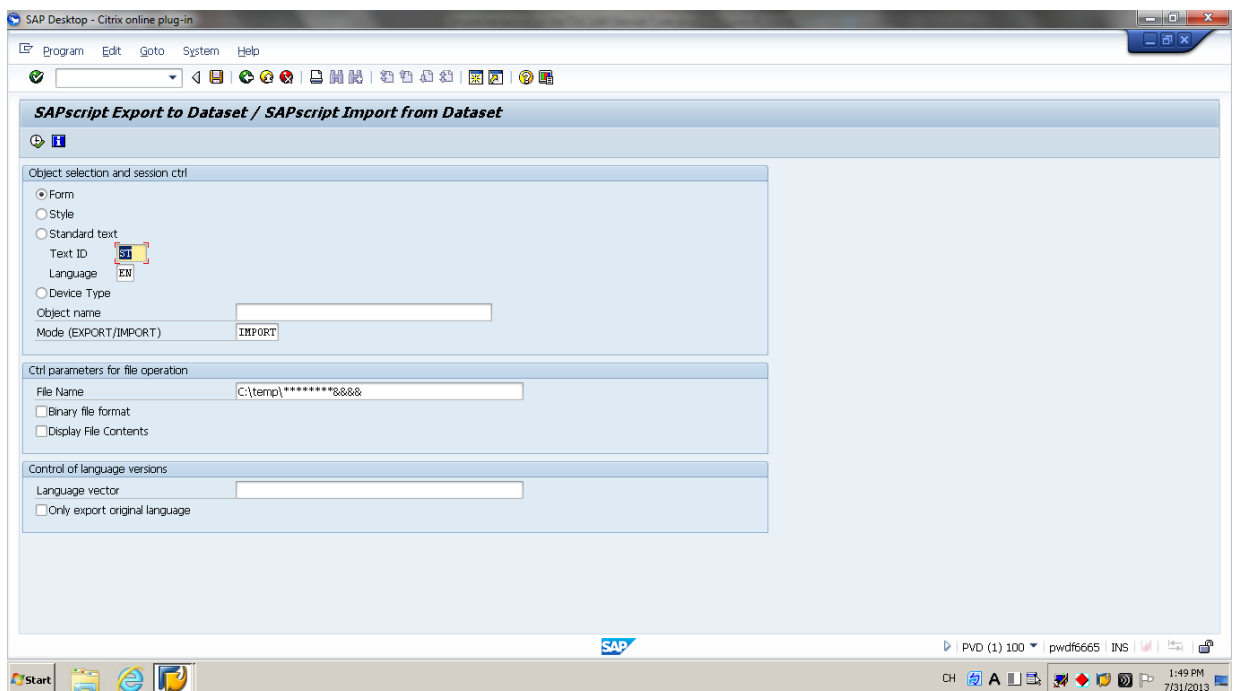
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## 1. Import a TSC device type into the SAP system.

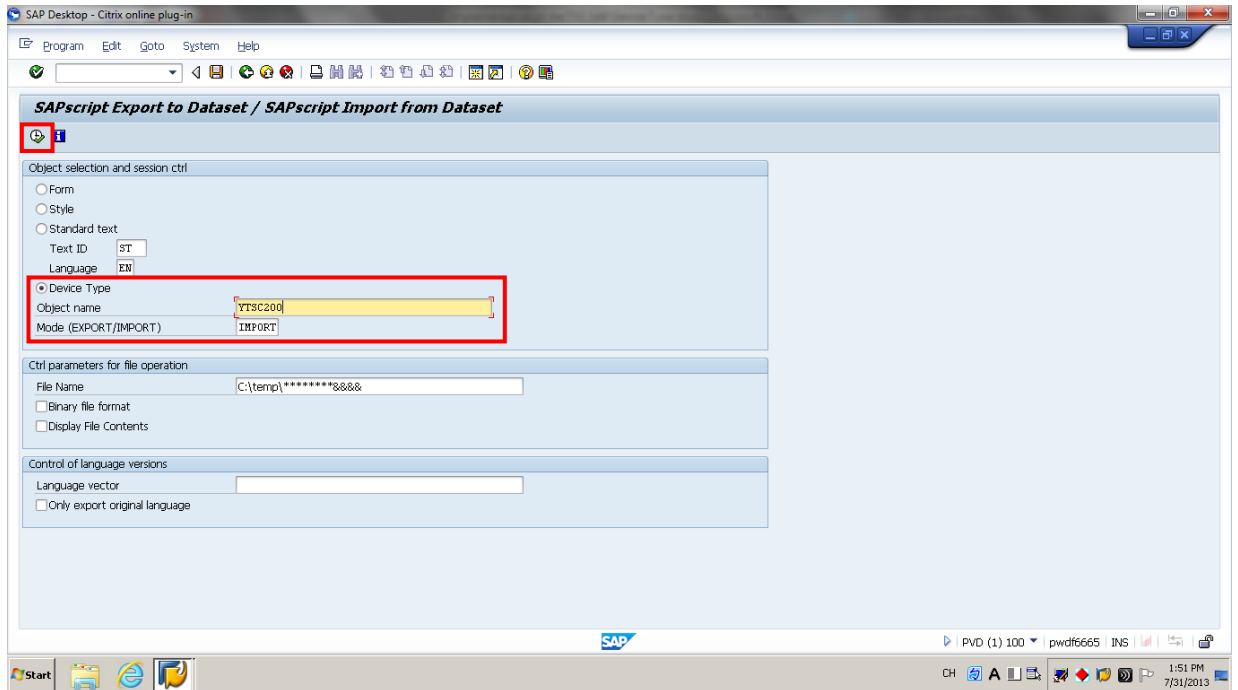
Log in to the SAP system, and search for the “SPAD” to retrieve the Spool Administration window.




Go to the menu bar with **Utilities > For device types > Import** to open the following window to import a device type into the SAP system.

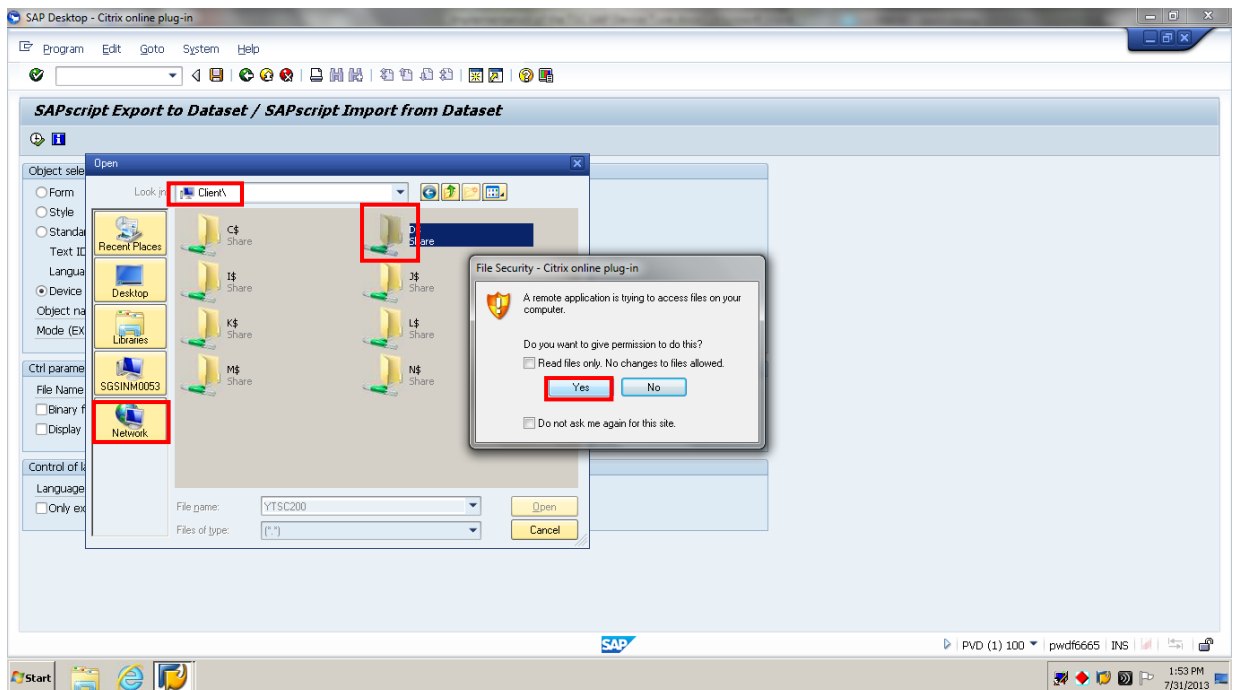


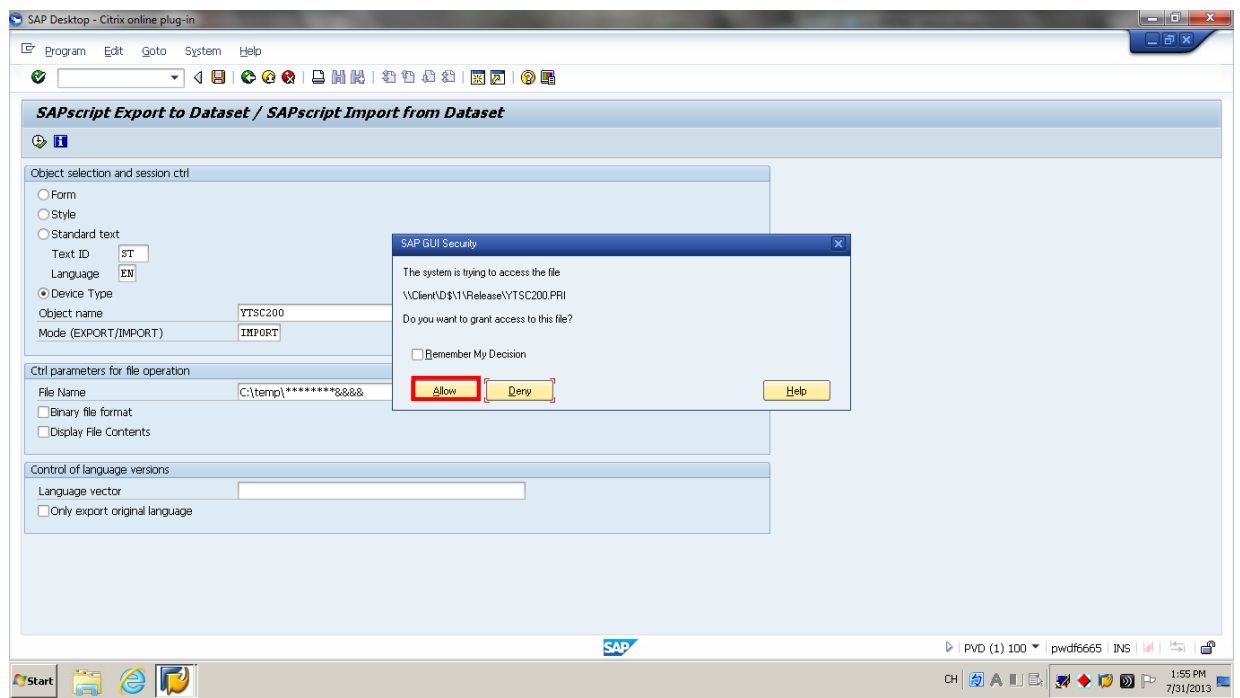
Click the 'Device Type' radio button, select the "IMPORT" in the Mode field, and type the desired Object name, e.g. **YTSC200**. (Note: The name of a device type has to start with the "Y", e.g. **YTSC200**.)



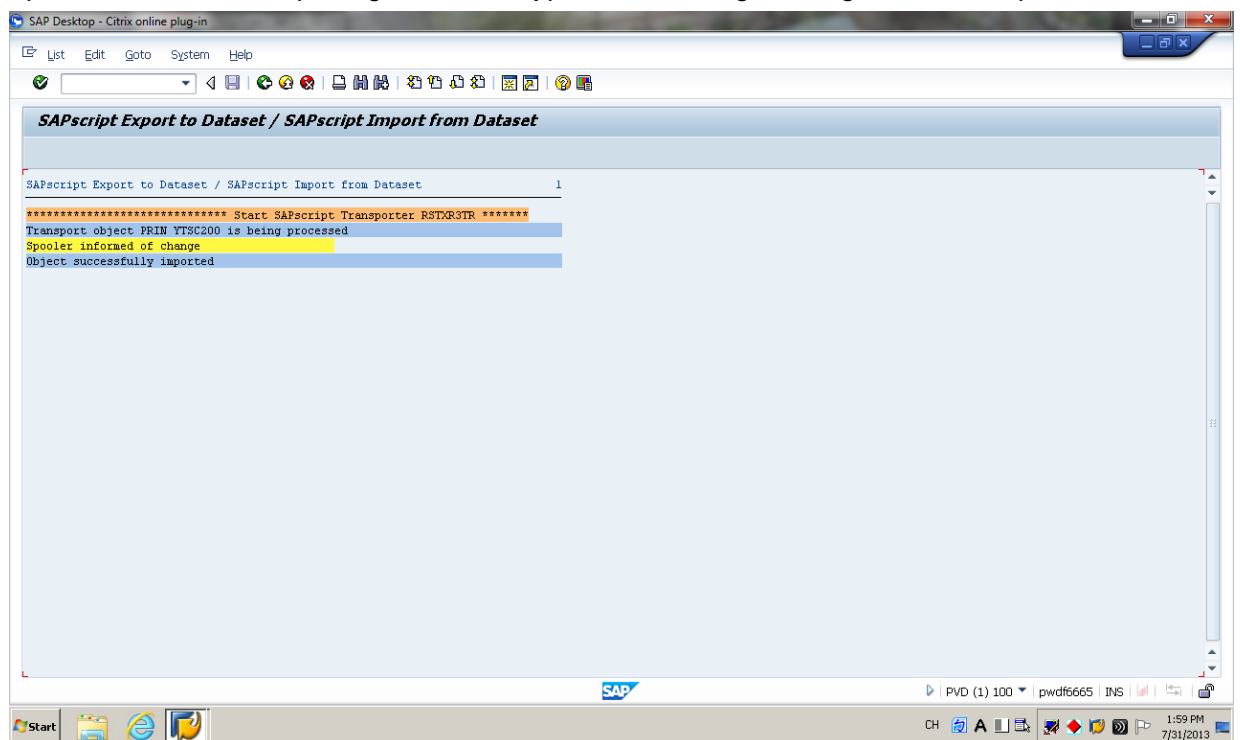
Click on  (Execute) button to retrieve the desired device type.

(Note: Based on the locations where you store the device type files, the following steps may be different from what you observe on your systems.)



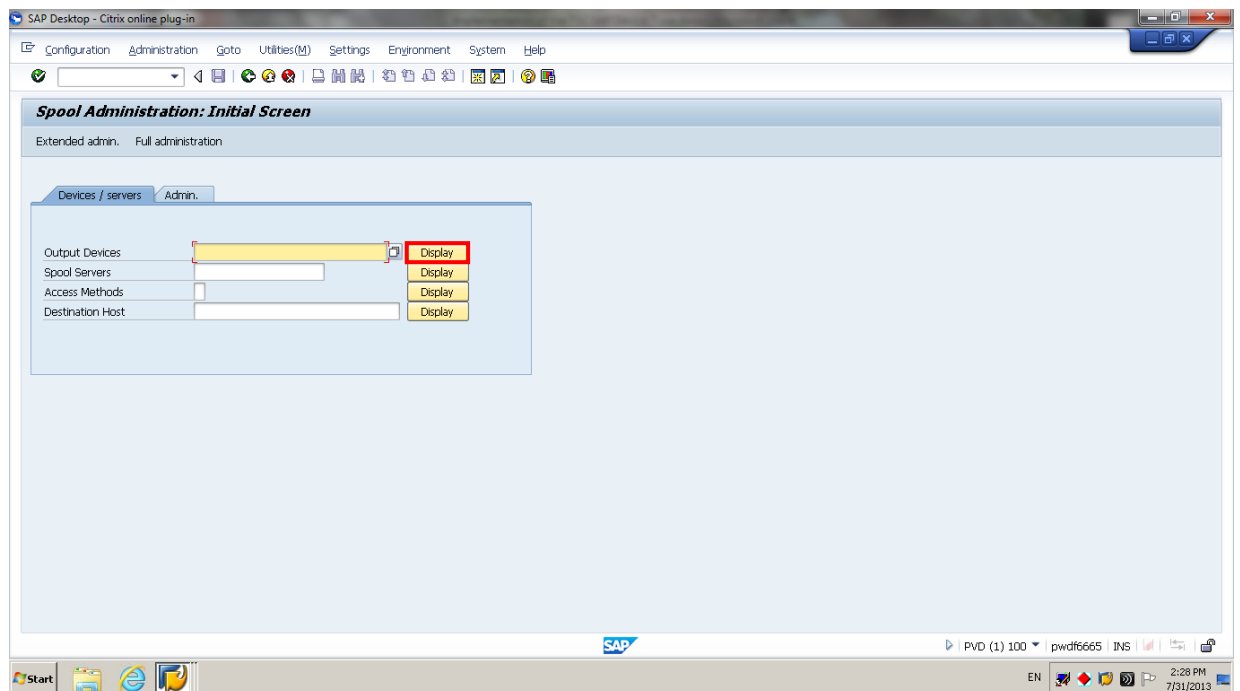


Upon the success of importing the device type, the following message will come up.

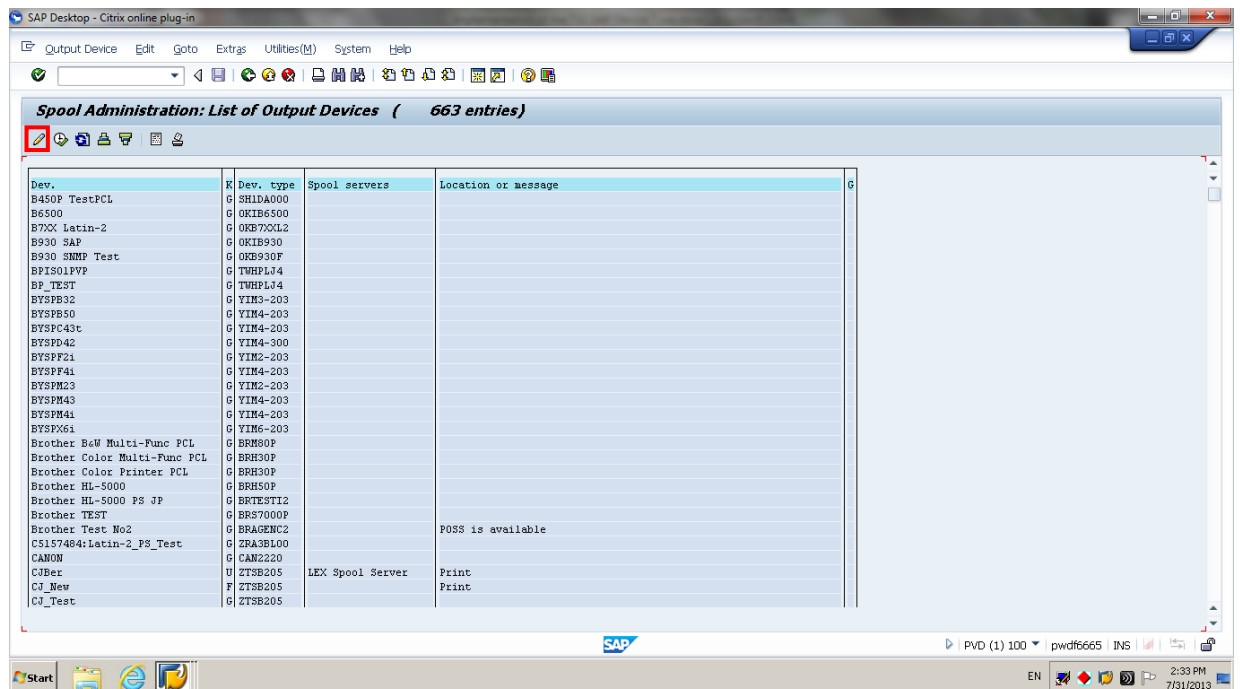



## 2. Create an 'Output Device' with the TSC device type

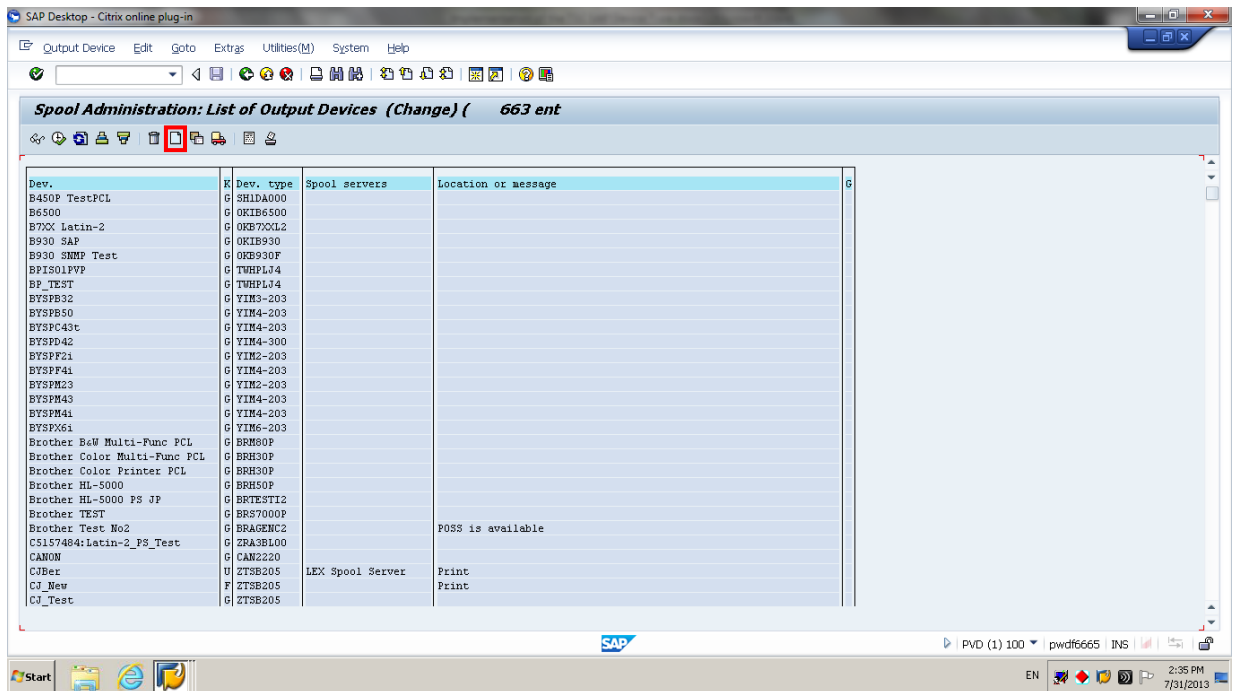
Log in to the SAP system, and search for the "SPAD" to retrieve the Spool Administration window.




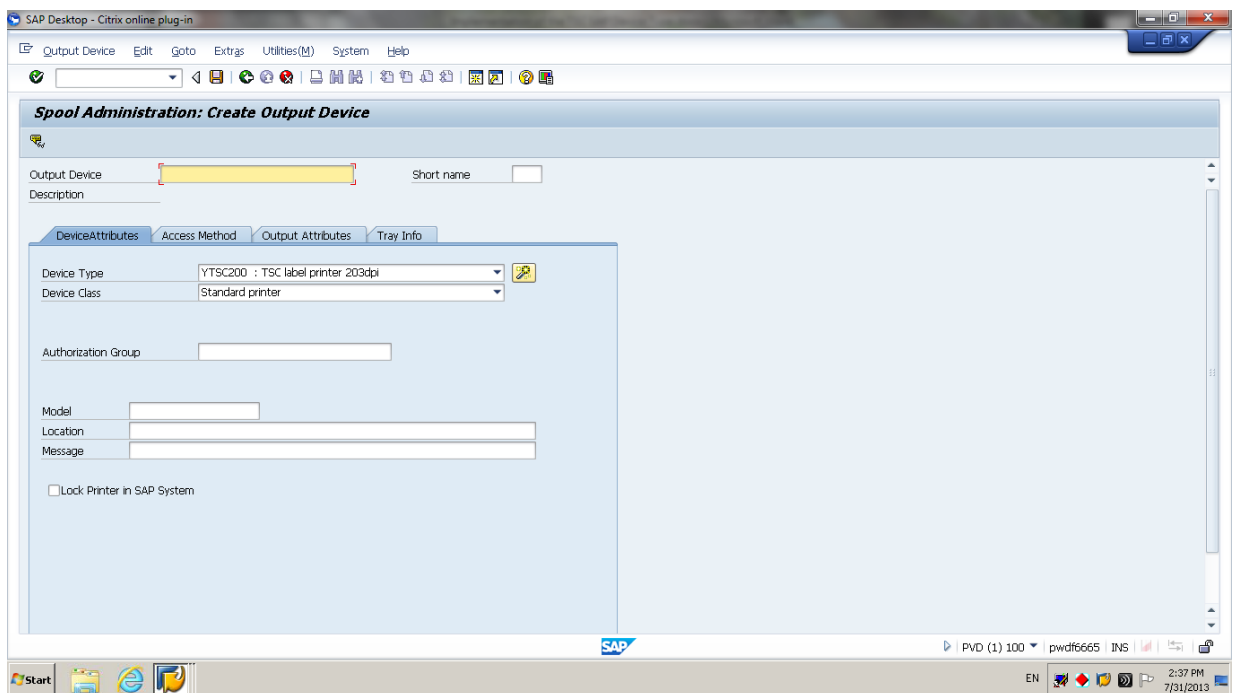
Click the 'Display' button next to the Output Devices field to display the List of all of the Output Devices.



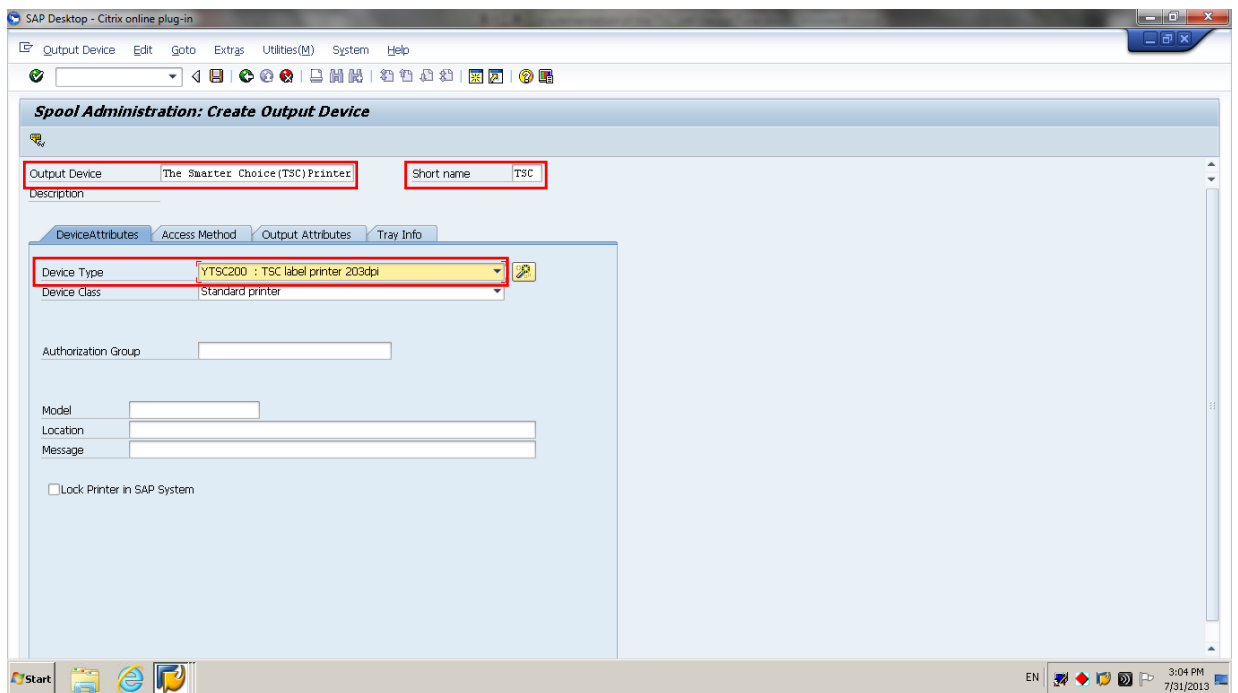
Click the leftmost  (Edit) button to switch from 'display' to 'change' mode.



Click the  (Create) button to open the Create Output Device window.



Type the desired Output Device name, e.g. **The Smarter Choice(TSC)Printer**, as well as the Short name, e.g. **TSC**; go to the Device Attributes tab to select the desired Device Type, e.g. **YTSC200 : TSC label printer 203dpi**.



The screenshot shows the 'SAP Desktop - Citrix online plug-in' window with the 'Spool Administration: Create Output Device' form. The form has several tabs: 'DeviceAttributes', 'Access Method', 'Output Attributes', and 'Tray Info'. The 'DeviceAttributes' tab is active. In the 'Output Device' field, the text 'The Smarter Choice(TSC)Printer' is entered. In the 'Short name' field, the text 'TSC' is entered. The 'Device Type' dropdown menu is open, showing the selected option 'YTSC200 : TSC label printer 203dpi'. The 'Device Class' dropdown menu is also open, showing the selected option 'Standard printer'. Below these fields, there are input fields for 'Authorization Group', 'Model', 'Location', and 'Message'. At the bottom, there is a checkbox labeled 'Lock Printer in SAP System' which is currently unchecked. The Windows taskbar at the bottom shows the 'Start' button, several application icons, and the system clock indicating 3:04 PM on 7/31/2013.

SAP Desktop - Citrix online plug-in

Output Device Edit Goto Extras Utilities(M) System Help

Spool Administration: Create Output Device

Output Device The Smarter Choice(TSC)Printer Short name TSC

Description

DeviceAttributes Access Method Output Attributes Tray Info

Device Type YTSC200 : TSC label printer 203dpi

Device Class Standard printer

Authorization Group

Model

Location

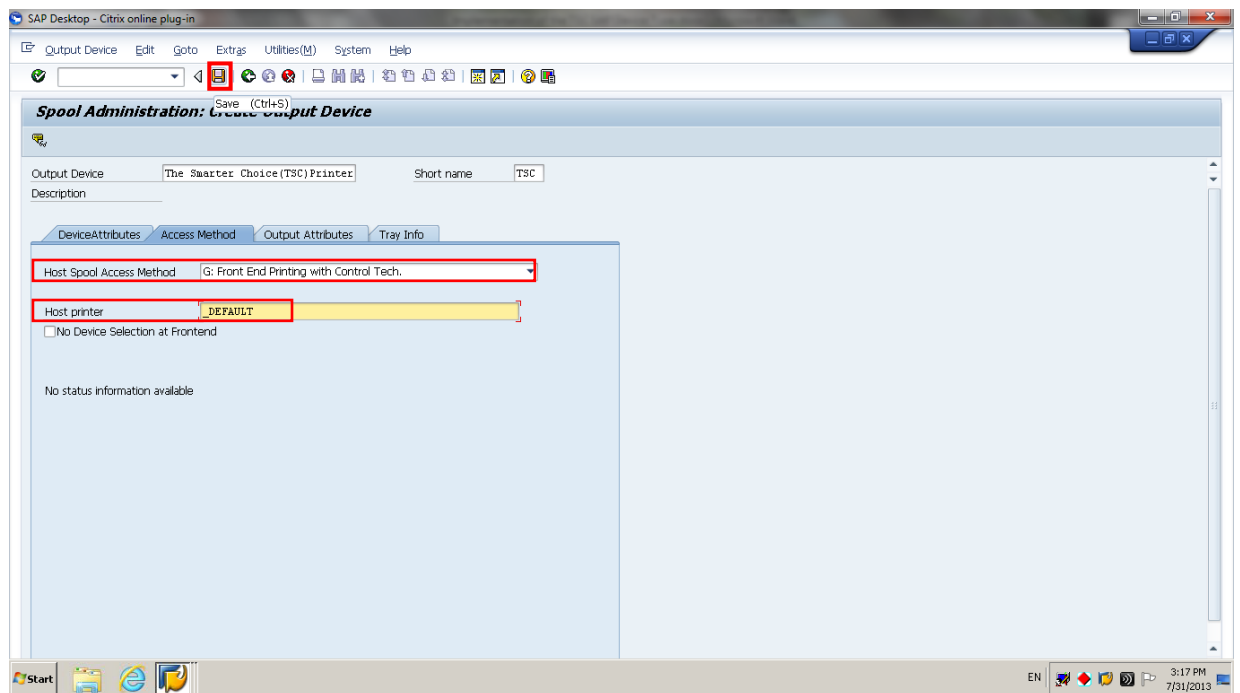
Message


☐ Lock Printer in SAP System

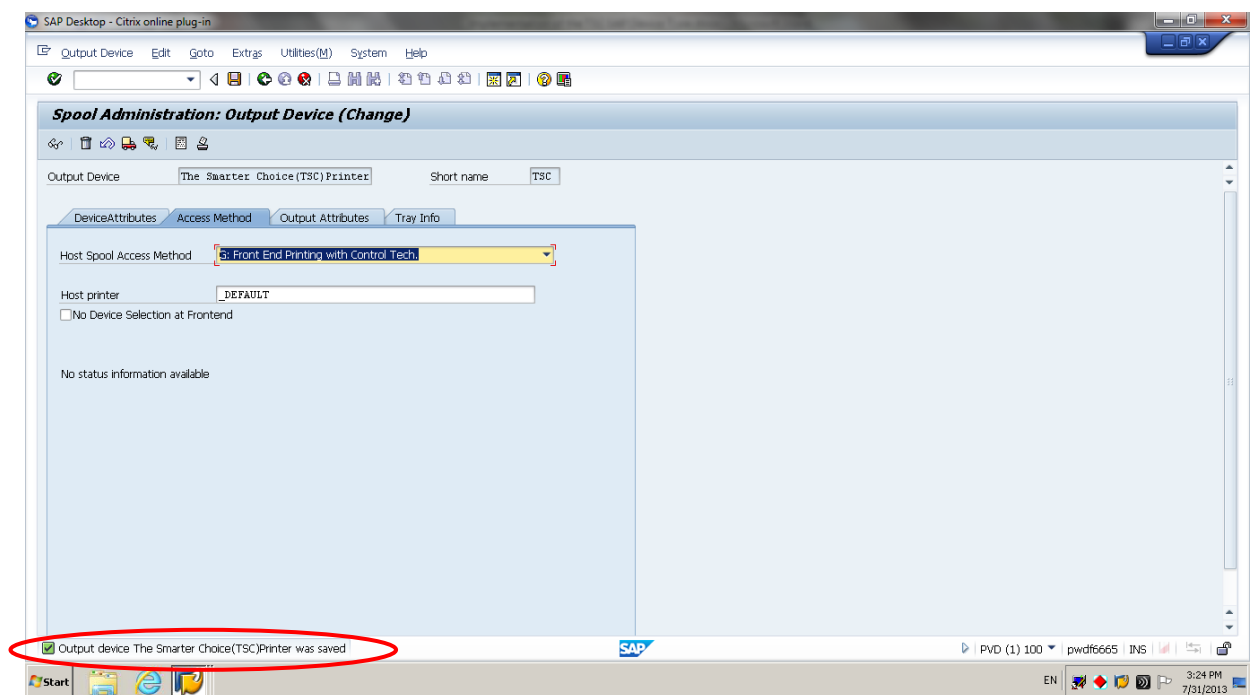
Start EN 3:04 PM 7/31/2013



Go to the Access Method tab to select the Host Spool Access Method as **G: Front End Printing with Control Tech** and type **\_DEFAULT** in the Host printer field.



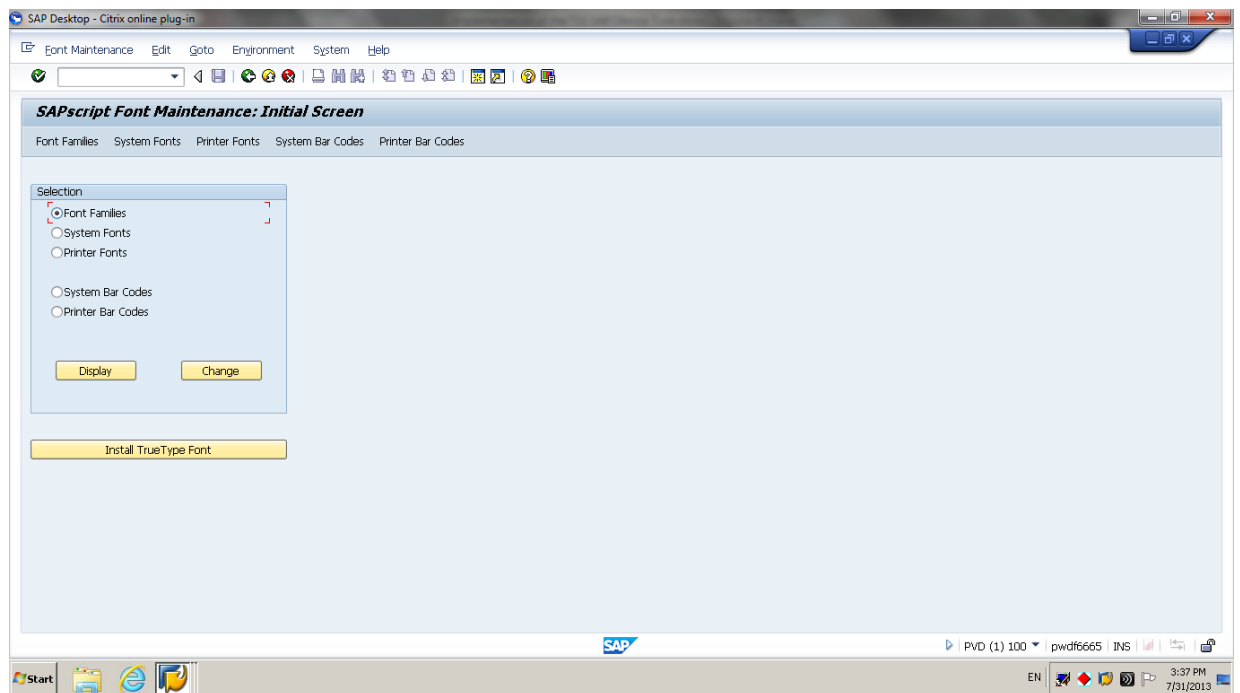
Click  (Save) button to finish.



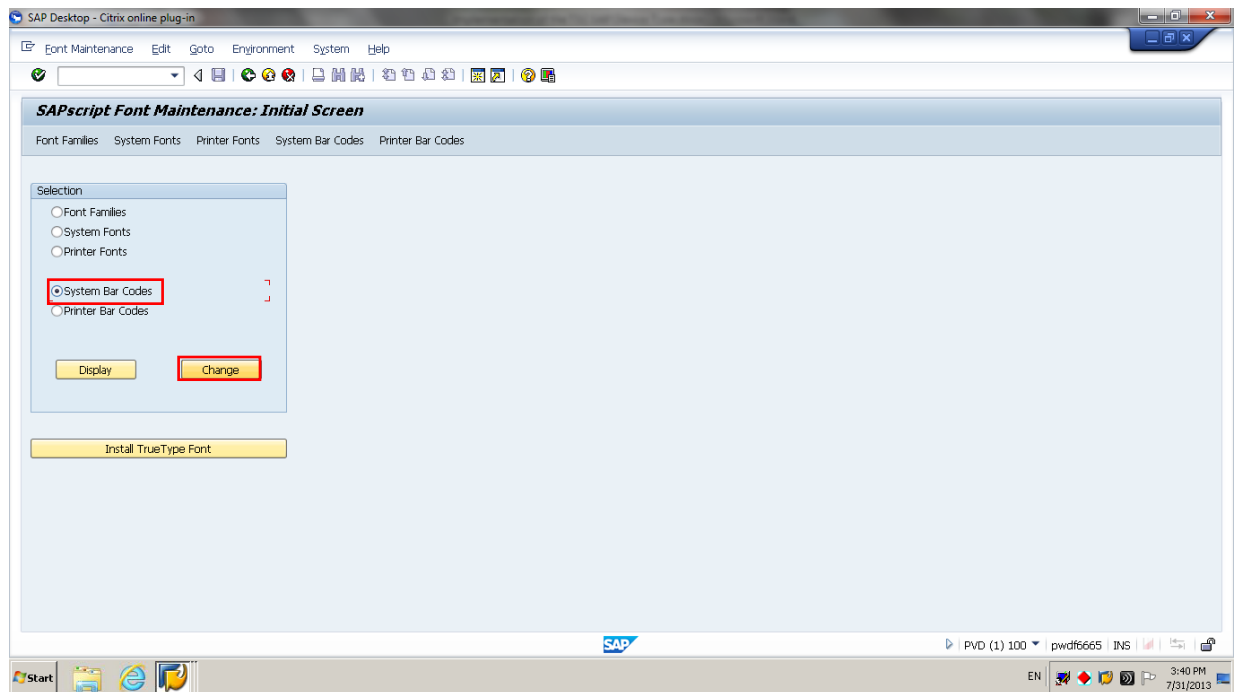
### 3. Create a Smart Form for Test

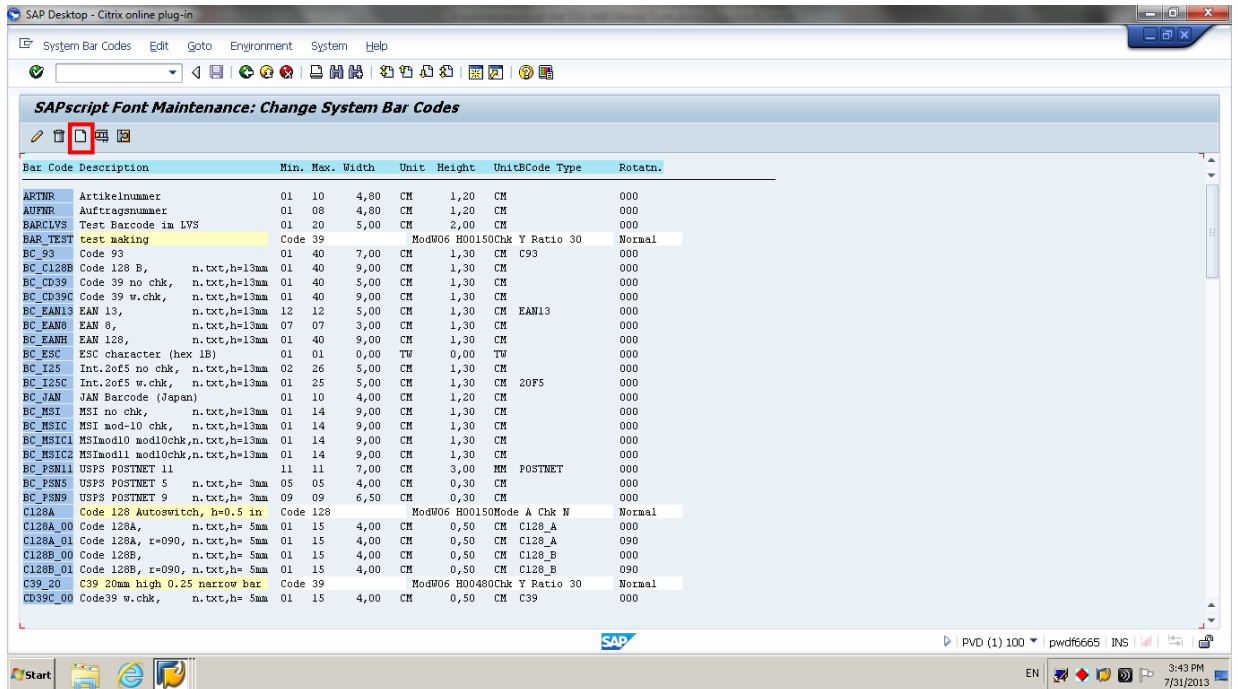
#### 3.1. Create a Barcode type.

Search for the “SE73” to open the following window:

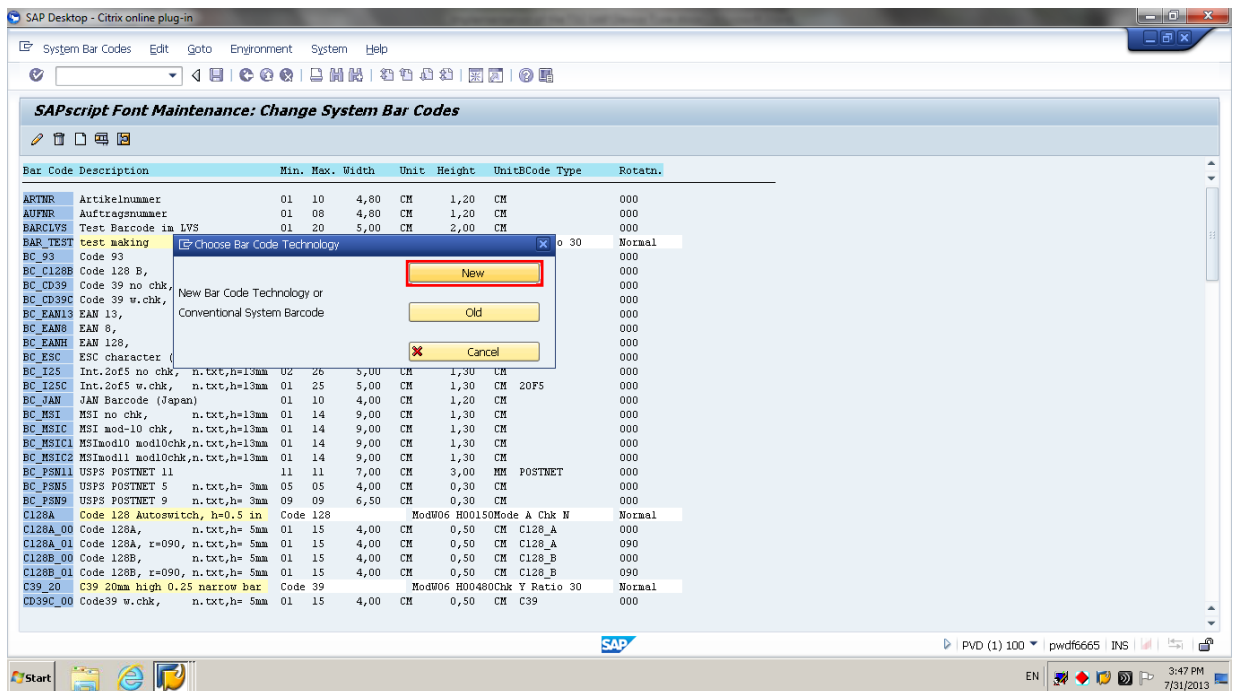


Click the System Bar Codes radio button and then the Change button to show all of the System Bar Codes.






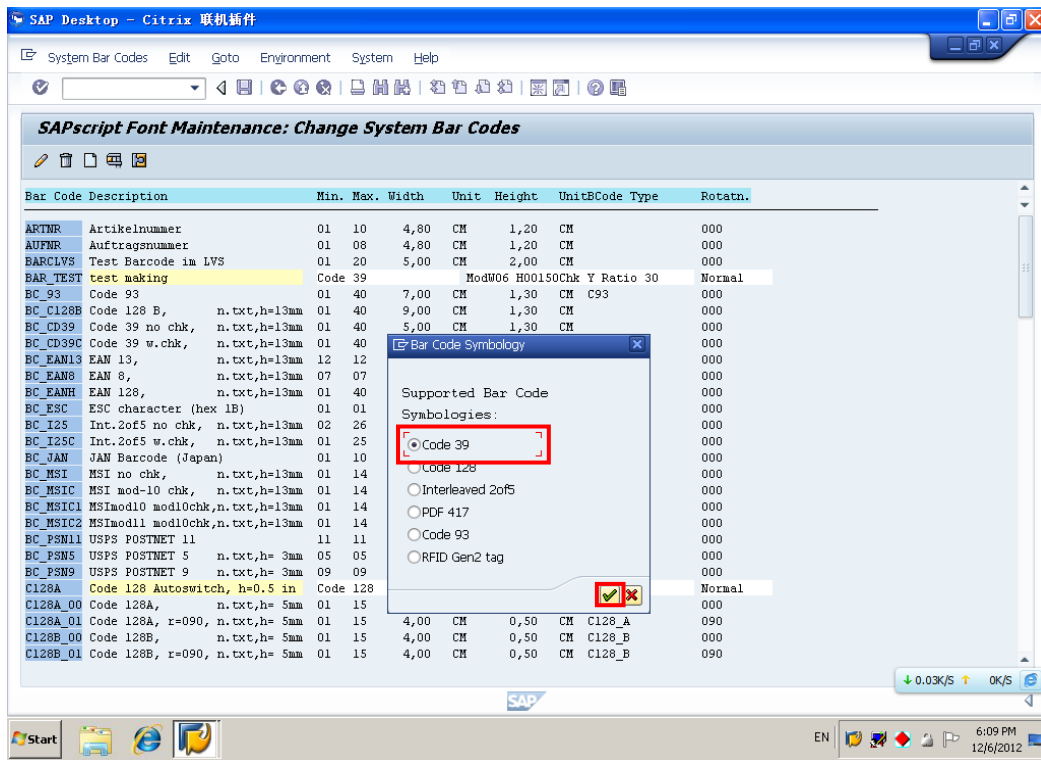
Click  (Create) button.




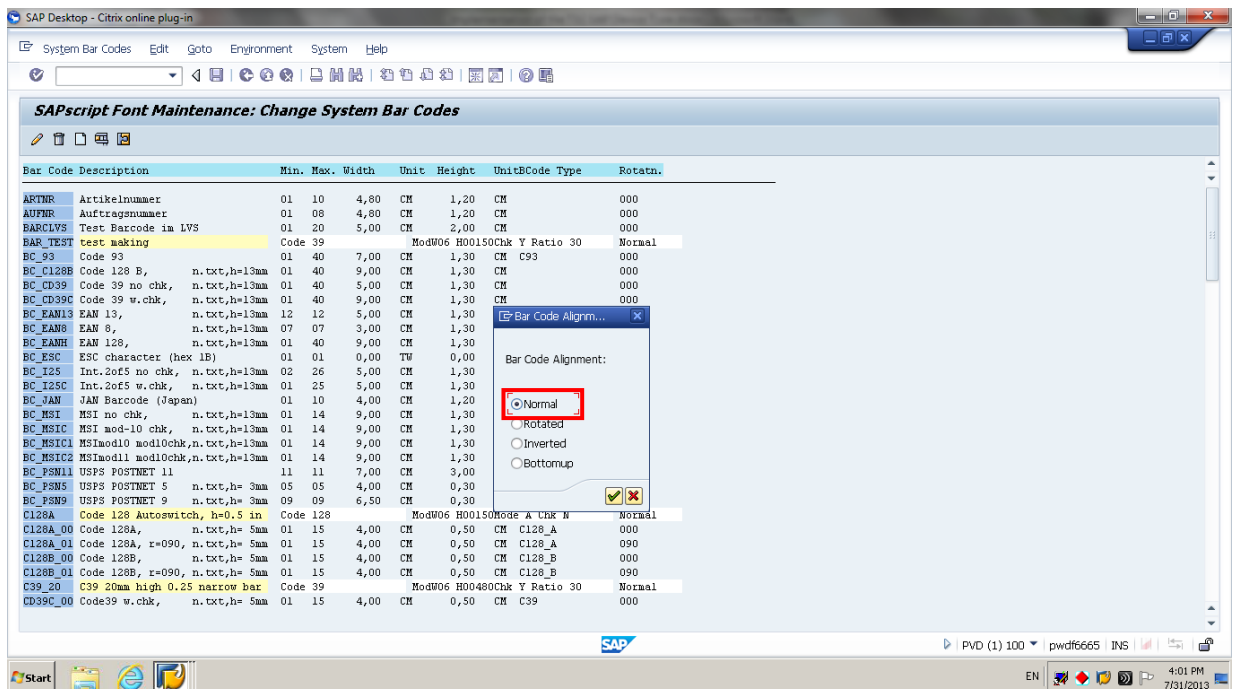
Click the New button in the Choose Bar Code Technology dialogue.




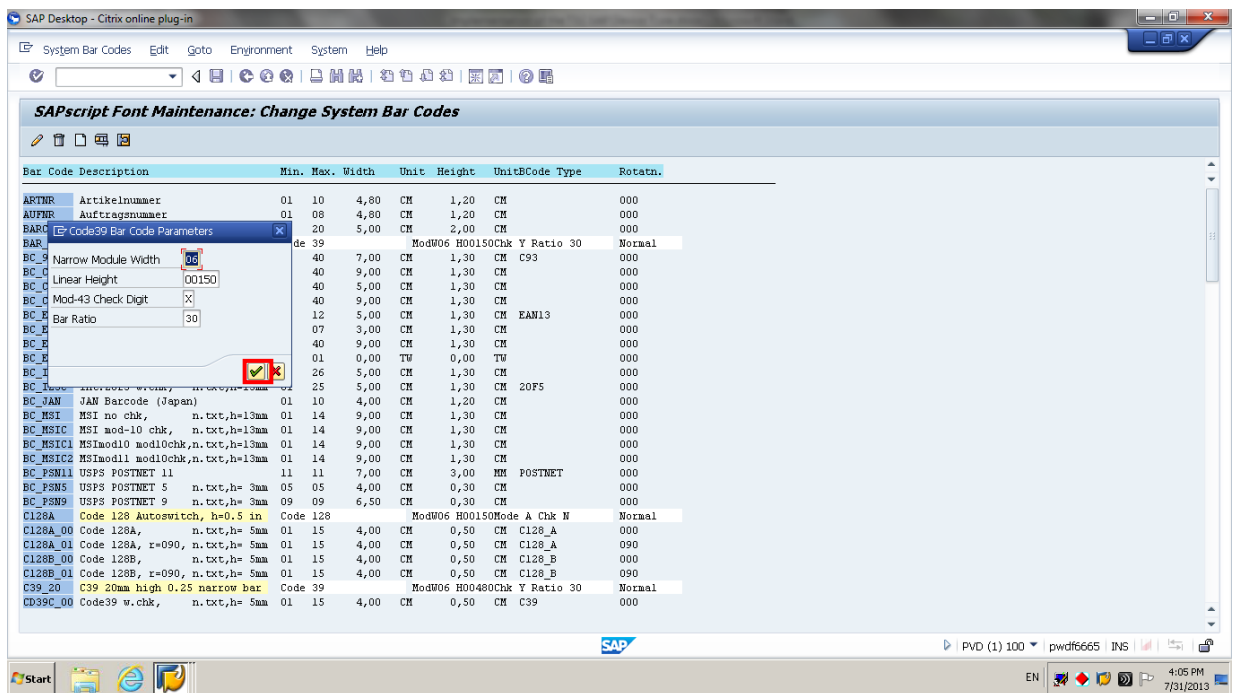
Click the desired Bar Code Symbology, such as code 39, and then click  (Continue) button.



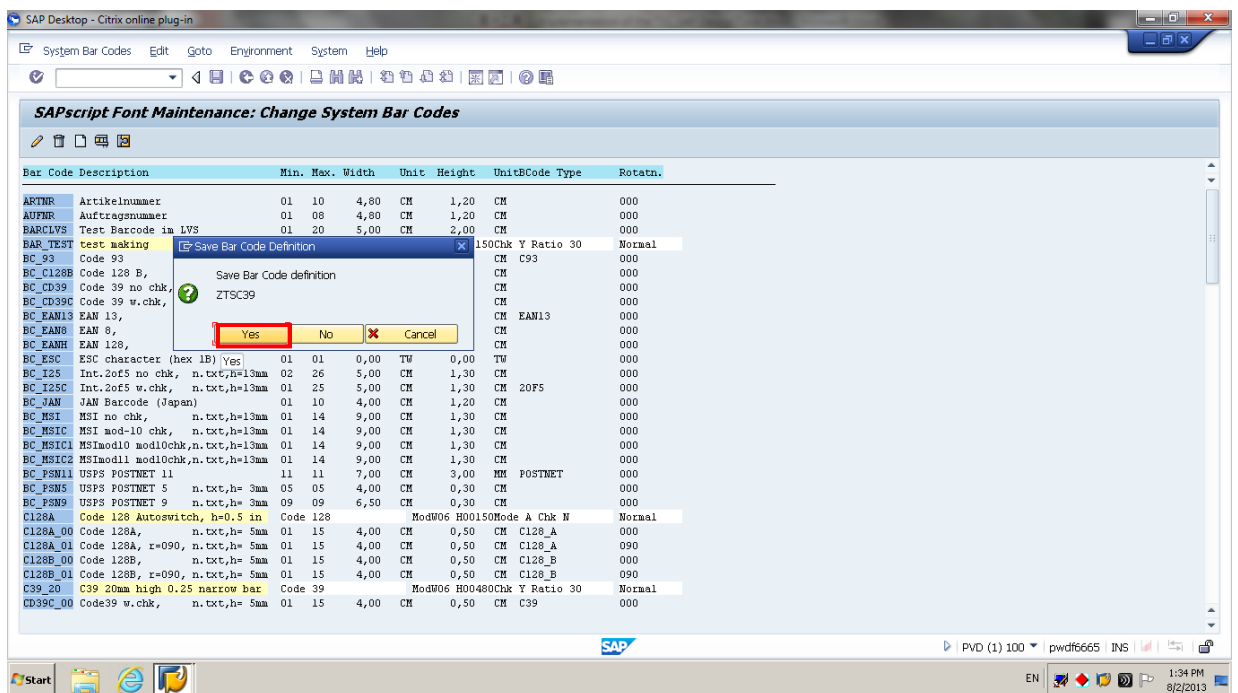
Select the desired Bar Code Alignment, such as Normal, and then click  (Continue) button.



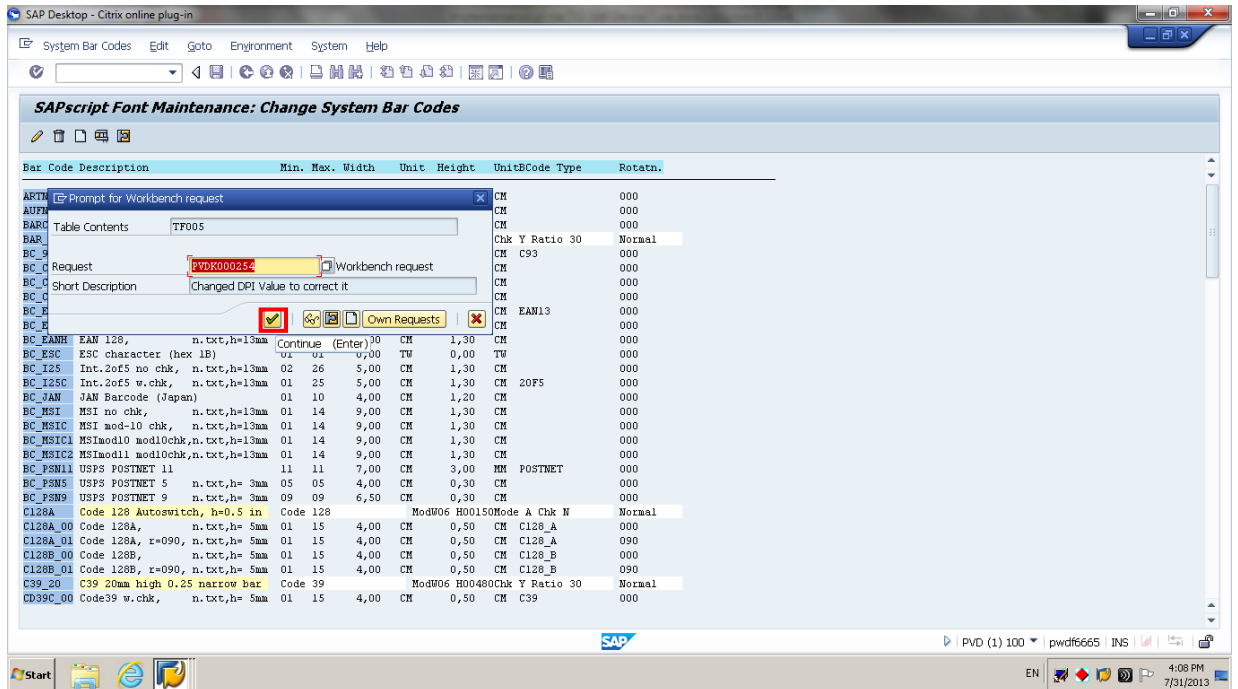
Define the other Bar Code Parameters, such as **Narrow Module Width**, and then click  (Continue) button.



Click the Yes button to Save Bar Code definition.




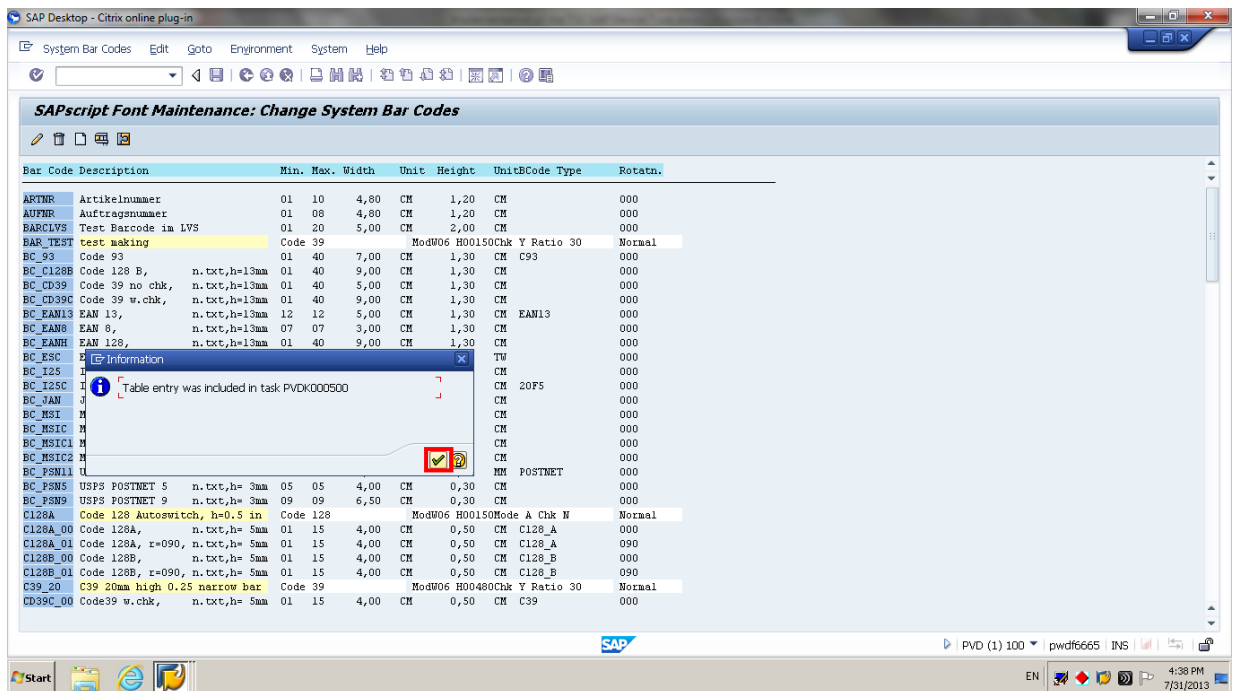
Click  (Continue) button.



SAPscript Font Maintenance: Change System Bar Codes

Bar Code	Description	Min.	Max.	Width	Unit	Height	UnitB	Code	Type	Rotatn.
ARTM	Artikelnr	01	10	4,80	CM	1,20	CM			000
AUFM	Auftragsnummer	01	08	4,80	CM	1,20	CM			000
BARC	Barcode	01	20	5,00	CM	2,00	CM			000
BARC	Barcode	01	20	5,00	CM	2,00	CM			000
BC_93	Code 93	01	40	7,00	CM	1,30	CM			000
BC_C128B	Code 128 B	01	40	9,00	CM	1,30	CM			000
BC_CD39	Code 39 no chk	01	40	5,00	CM	1,30	CM			000
BC_CD39C	Code 39 w.chk	01	40	9,00	CM	1,30	CM			000
BC_EAN13	EAN 13	12	12	5,00	CM	1,30	CM			000
BC_EAN8	EAN 8	07	07	3,00	CM	1,30	CM			000
BC_EANH	EAN 128	01	40	9,00	CM	1,30	CM			000
BC_ESC	ESC character (hex 1B)	01	01	0,00	CM	0,00	CM			000
BC_I25	Int.2of5 no chk	02	26	5,00	CM	1,30	CM			000
BC_I25C	Int.2of5 w.chk	01	25	5,00	CM	1,30	CM			000
BC_JAN	JAN Barcode (Japan)	01	10	4,00	CM	1,20	CM			000
BC_MSI	MSI no chk	01	14	9,00	CM	1,30	CM			000
BC_MSIC	MSI mod-10 chk	01	14	9,00	CM	1,30	CM			000
BC_MSIC1	MSI mod10 mod10chk	01	14	9,00	CM	1,30	CM			000
BC_MSIC2	MSI mod11 mod10chk	01	14	9,00	CM	1,30	CM			000
BC_PSN11	USPS POSTNET 11	11	11	7,00	CM	3,00	MM		POSTNET	000
BC_PSN5	USPS POSTNET 5	05	05	4,00	CM	0,30	CM			000
BC_PSN9	USPS POSTNET 9	09	09	6,50	CM	0,30	CM			000
CL28A_00	Code 128A, n.txt,h=5mm	01	15	4,00	CM	0,50	CM			000
CL28A_01	Code 128A, r=090, n.txt,h=5mm	01	15	4,00	CM	0,50	CM			000
CL28B_00	Code 128B, n.txt,h=5mm	01	15	4,00	CM	0,50	CM			000
CL28B_01	Code 128B, r=090, n.txt,h=5mm	01	15	4,00	CM	0,50	CM			000
C39_20	C39 20mm high 0.25 narrow bar	Code 39								Normal
CD39C_00	Code39 w.chk	01	15	4,00	CM	0,50	CM			000

Click  (Continue) button to create the new barcode type called ZTSC39.



SAPscript Font Maintenance: Change System Bar Codes

Bar Code	Description	Min.	Max.	Width	Unit	Height	UnitB	Code	Type	Rotatn.
ARTNR	Artikelnr	01	10	4,80	CM	1,20	CM			000
AUFNR	Auftragsnummer	01	08	4,80	CM	1,20	CM			000
BARCLVS	Test Barcode in LVS	01	20	5,00	CM	2,00	CM			000
BAR_TEST	test making	Code 39								Normal
BC_93	Code 93	01	40	7,00	CM	1,30	CM			000
BC_C128B	Code 128 B	01	40	9,00	CM	1,30	CM			000
BC_CD39	Code 39 no chk	01	40	5,00	CM	1,30	CM			000
BC_CD39C	Code 39 w.chk	01	40	9,00	CM	1,30	CM			000
BC_EAN13	EAN 13	12	12	5,00	CM	1,30	CM			000
BC_EAN8	EAN 8	07	07	3,00	CM	1,30	CM			000
BC_EANH	EAN 128	01	40	9,00	CM	1,30	CM			000
BC_ESC	ESC character (hex 1B)	01	01	0,00	CM	0,00	CM			000
BC_I25	Int.2of5 no chk	02	26	5,00	CM	1,30	CM			000
BC_I25C	Int.2of5 w.chk	01	25	5,00	CM	1,30	CM			000
BC_JAN	JAN Barcode (Japan)	01	10	4,00	CM	1,20	CM			000
BC_MSI	MSI no chk	01	14	9,00	CM	1,30	CM			000
BC_MSIC	MSI mod-10 chk	01	14	9,00	CM	1,30	CM			000
BC_MSIC1	MSI mod10 mod10chk	01	14	9,00	CM	1,30	CM			000
BC_MSIC2	MSI mod11 mod10chk	01	14	9,00	CM	1,30	CM			000
BC_PSN11	USPS POSTNET 11	11	11	7,00	CM	3,00	MM		POSTNET	000
BC_PSN5	USPS POSTNET 5	05	05	4,00	CM	0,30	CM			000
BC_PSN9	USPS POSTNET 9	09	09	6,50	CM	0,30	CM			000
CL28A_00	Code 128A, n.txt,h=5mm	01	15	4,00	CM	0,50	CM			000
CL28A_01	Code 128A, r=090, n.txt,h=5mm	01	15	4,00	CM	0,50	CM			000
CL28B_00	Code 128B, n.txt,h=5mm	01	15	4,00	CM	0,50	CM			000
CL28B_01	Code 128B, r=090, n.txt,h=5mm	01	15	4,00	CM	0,50	CM			000
C39_20	C39 20mm high 0.25 narrow bar	Code 39								Normal
CD39C_00	Code39 w.chk	01	15	4,00	CM	0,50	CM			000

SAP Desktop - Citrix online plug-in

System Bar Codes Edit Goto Environment System Help

**SAPscript Font Maintenance: Change System Bar Codes**

Bar Code Description Min. Max. Width Unit Height UnitBarcode Type Rotatn.

ZIND_2F5	Industrial 2of5 barcode	01 50	12,00	CM	3,00	CM UNDEF	000
ZINT25	Interleaved 2of5			ModW08	H00250Chk Y Ratio 25	Normal	
ZINT25LG	Large Int 2of5, modW>10			ModW15	H00200Chk Y Ratio 30	Normal	
ZINT2_5M	VN Int 2 of 5 Normal			ModW09	H00500Chk N Ratio 30	Normal	
ZLOGMAR	LOGMAR BARCODE	01 50	12,00	CM	3,00	CM UNDEF	000
ZMATRIX	Data Matrix Bar Code	01 50	10,00	CM	3,00	CM UNDEF	000
ZMIC_PDF	Micro-PDF417 Bar	01 50	12,00	CM	3,00	CM UNDEF	000
ZMSI_BC	MSI Bar Code	01 50	12,00	CM	3,00	CM UNDEF	000
ZP417	PDF 417			ModW07	H00150Seclv ORowH 00010	Normal	
ZPLANET	Planet Code barcode	01 50	12,00	CM	3,00	CM UNDEF	000
ZPLSSEY	Plessey BarCode	01 50	12,00	CM	3,00	CM UNDEF	000
ZQRCODE	QR CODE	01 50	12,00	CM	12,00	CM UNDEF	000
ZRFIDTAG	RFID Gen2 tag				ACS010203AF LCK02 KL	Normal	
ZRSS_BC	RSS Bar Code	01 50	12,00	CM	3,00	CM UNDEF	000
ZSTC128A	Sato Code 128 A oldTech Test	01 14	2,00	TV	1,30	CM C128_A	000
ZSTD_2F5	Standard 2of5 barcode	01 50	12,00	CM	3,00	CM UNDEF	000
ZSYN20F5	Interleaved 2of5			ModW06	H00150Chk Y Ratio 30	Normal	
ZSYMC128	code 128			ModW06	H00150Mode A Chk Y	Normal	
ZSYMC39	Code 39			ModW06	H00150Chk Y Ratio 30	Normal	
ZSYMC93	CODE 93			ModW06	H00150Chk Y	Normal	
ZSYMPDF	system pdf 417			ModW04	H00150Seclv ORowH 00030	Normal	
ZTLC39	TLC39 bar code	01 50	12,00	CM	3,00	CM UNDEF	000
ZTLC39	test			ModW02	H00150Seclv ORowH 00005	Normal	
ZTLC39		00 00	50,00	NH	10,00	NH C39	000
ZTSC39				ModW04	H00150Seclv ORowH 00010	Normal	
ZTSC39	TSC39			ModW06	H00150Chk Y Ratio 30	Normal	
ZUPC_A	UPC A Barcode	01 50	10,00	CM	3,00	CM UNDEF	000
ZUPC_EX	UPC/EAN Extension	01 50	12,00	CM	3,00	CM UNDEF	000
ZX39BC	Code 128			ModW06	H00150Mode A Chk Y	Normal	

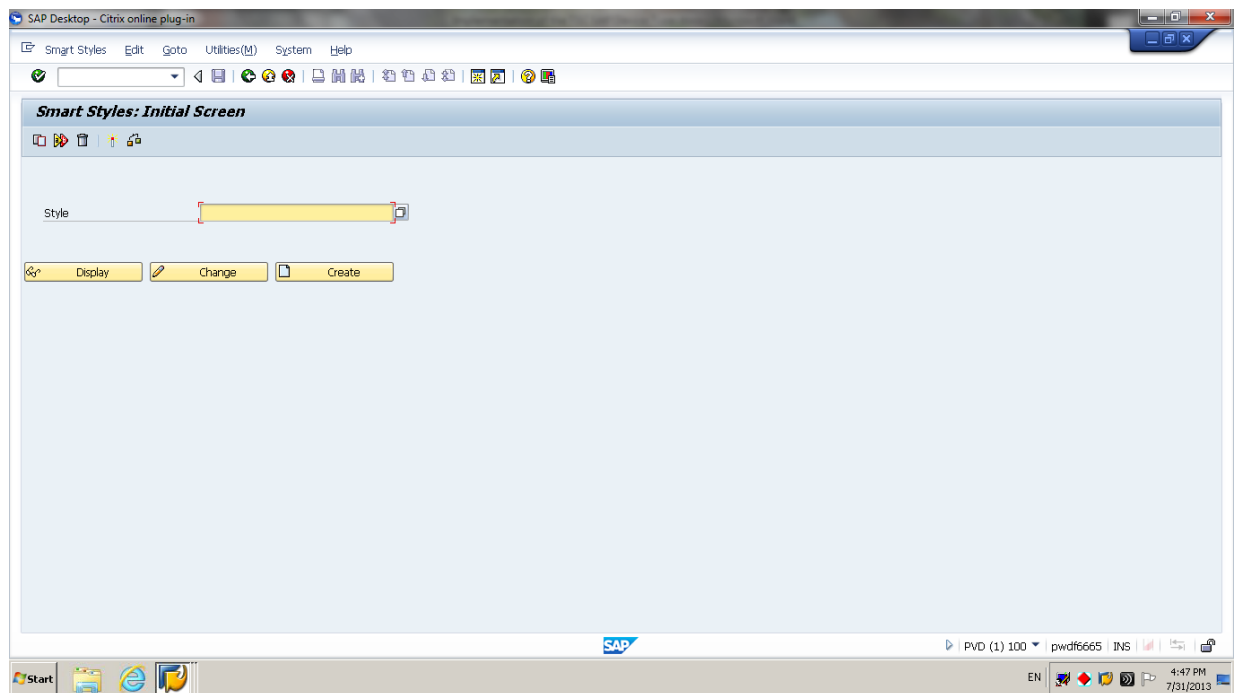
SAP

PVD (1) 100 | pwdf6665 | INS | 1:41 PM 8/2/2013

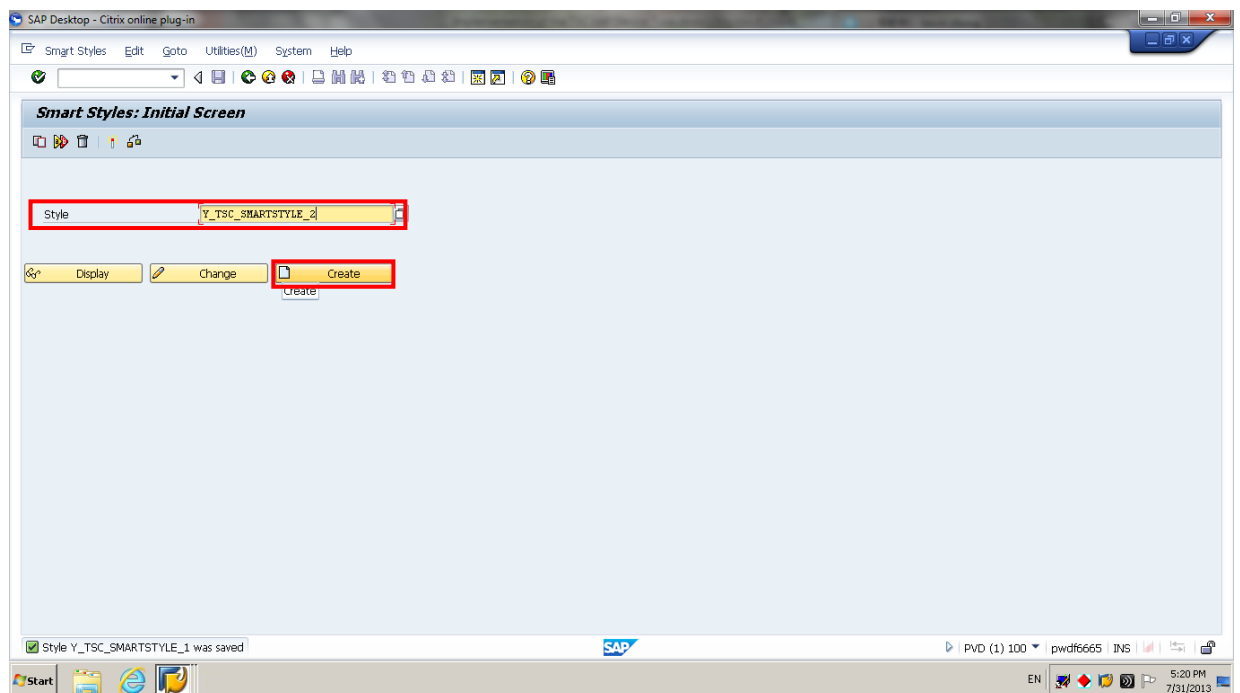


### 3.2. Create a Smart Style

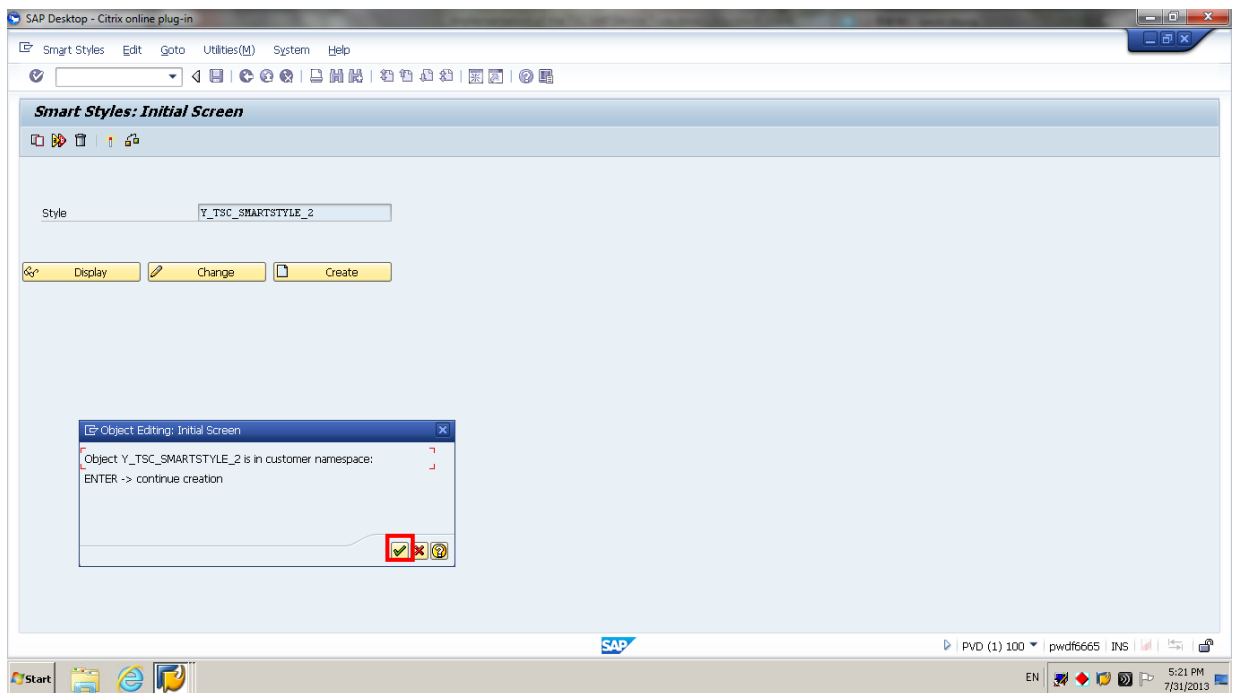
Search for the “SmartStyles” to retrieve the Smart Styles window.




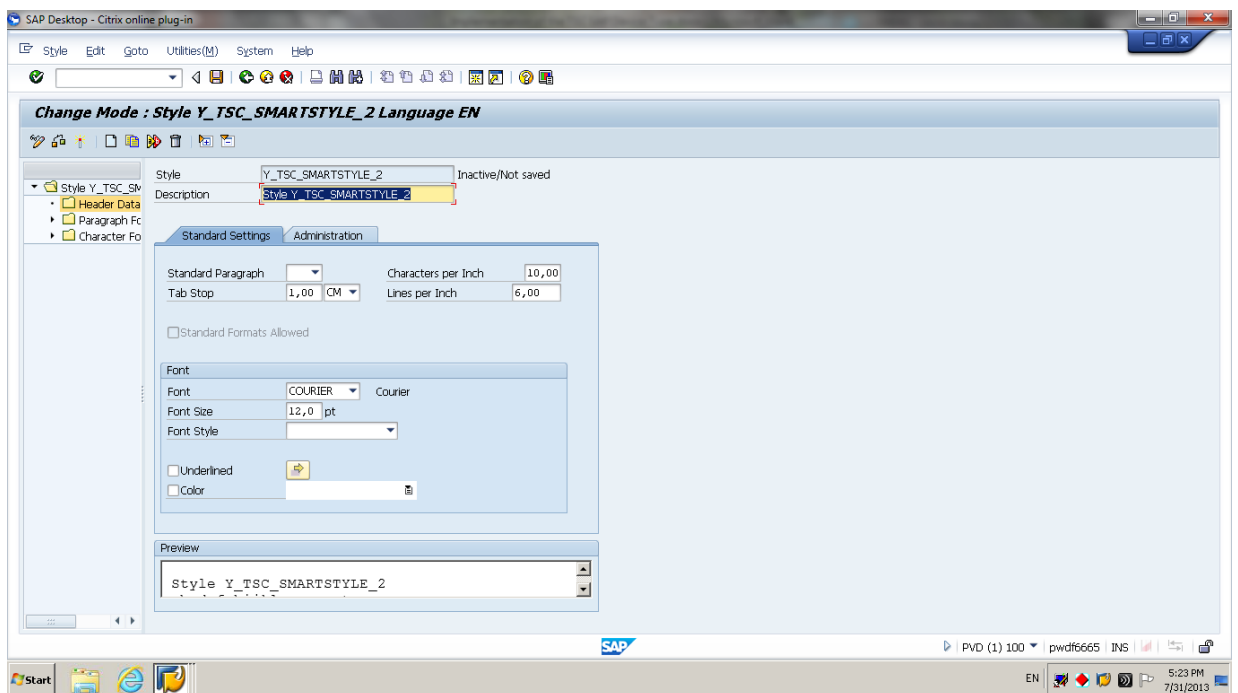
Type the desired Style name, e.g. **Y\_TSC\_SmartStyle\_2**. (Note: The Smart Style name has to start with “Y”, e.g. **Y\_TSC\_SmartStyle\_2**.)



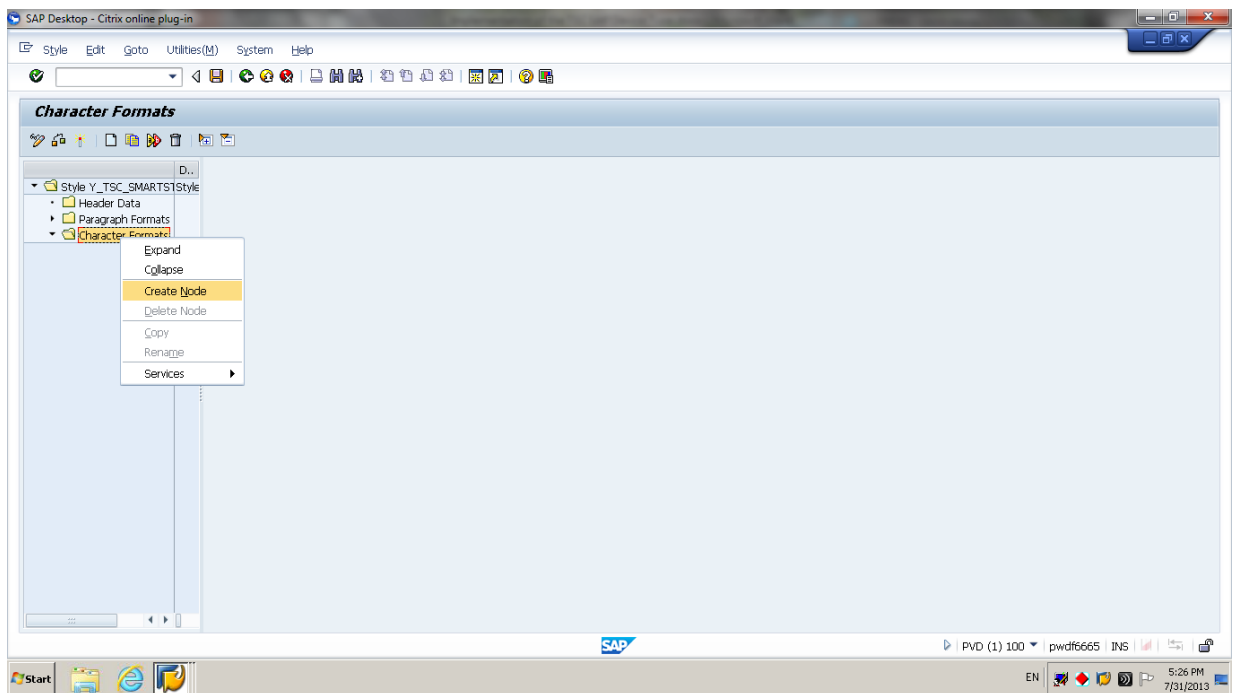
Click the Create button.



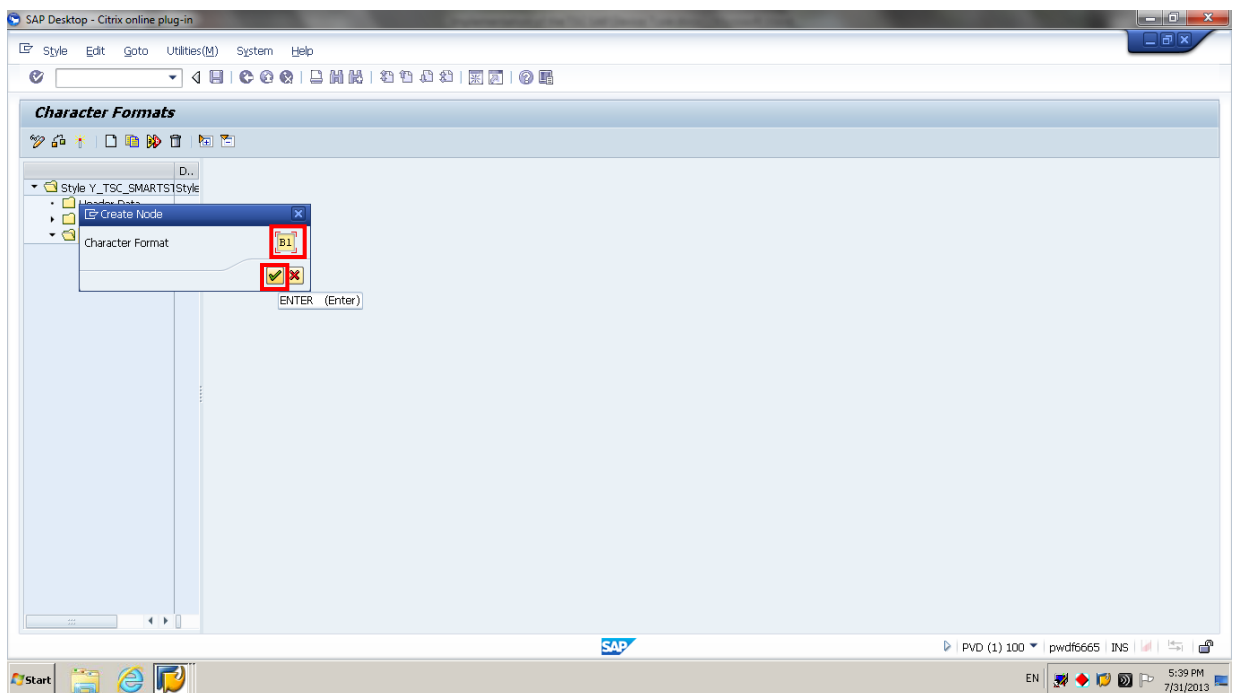
Click  (Continue) button to open the Smart Styles editor.

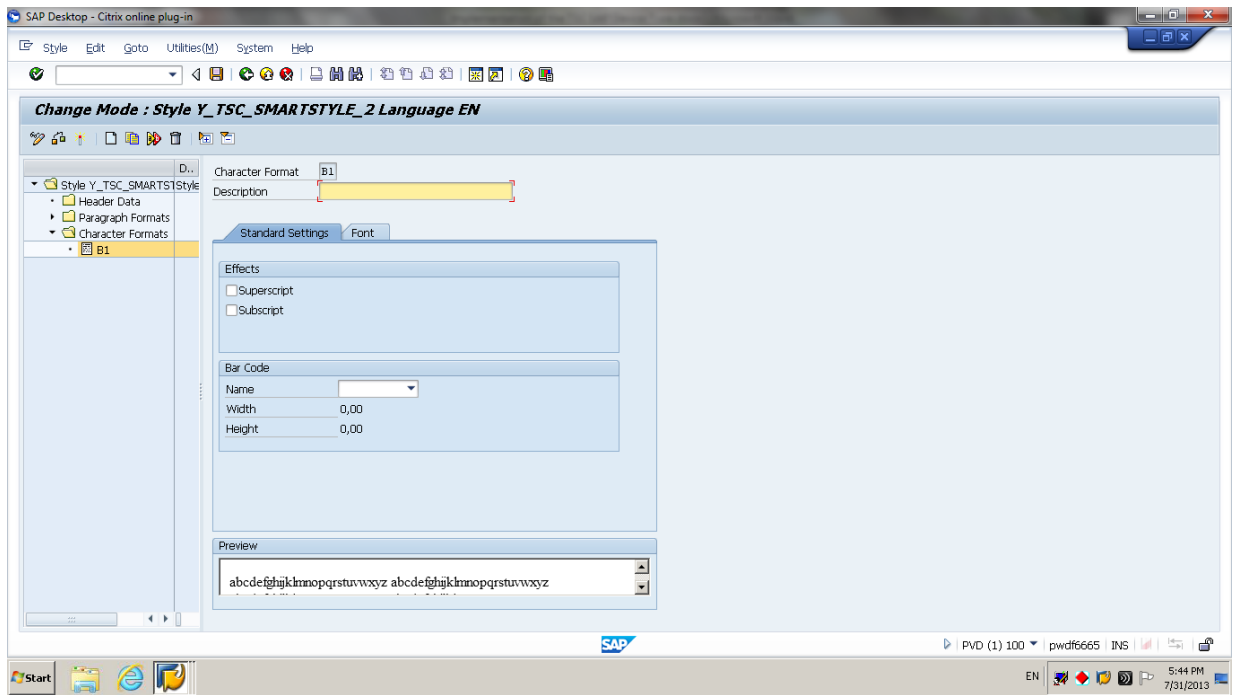


**Add a barcode into the Smart Style:** right click the folder of the Characters Formats and select the Create Node.

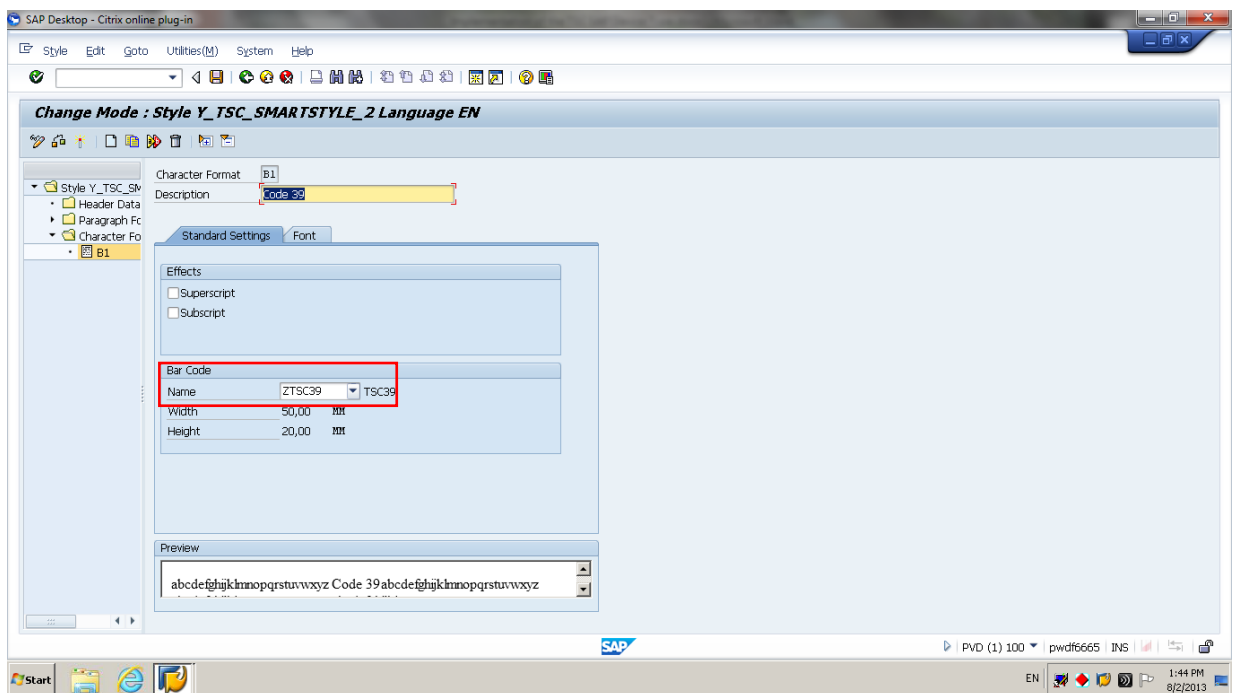


Type, e.g. B1, in the field of the Character Format, and click  (Enter) button.

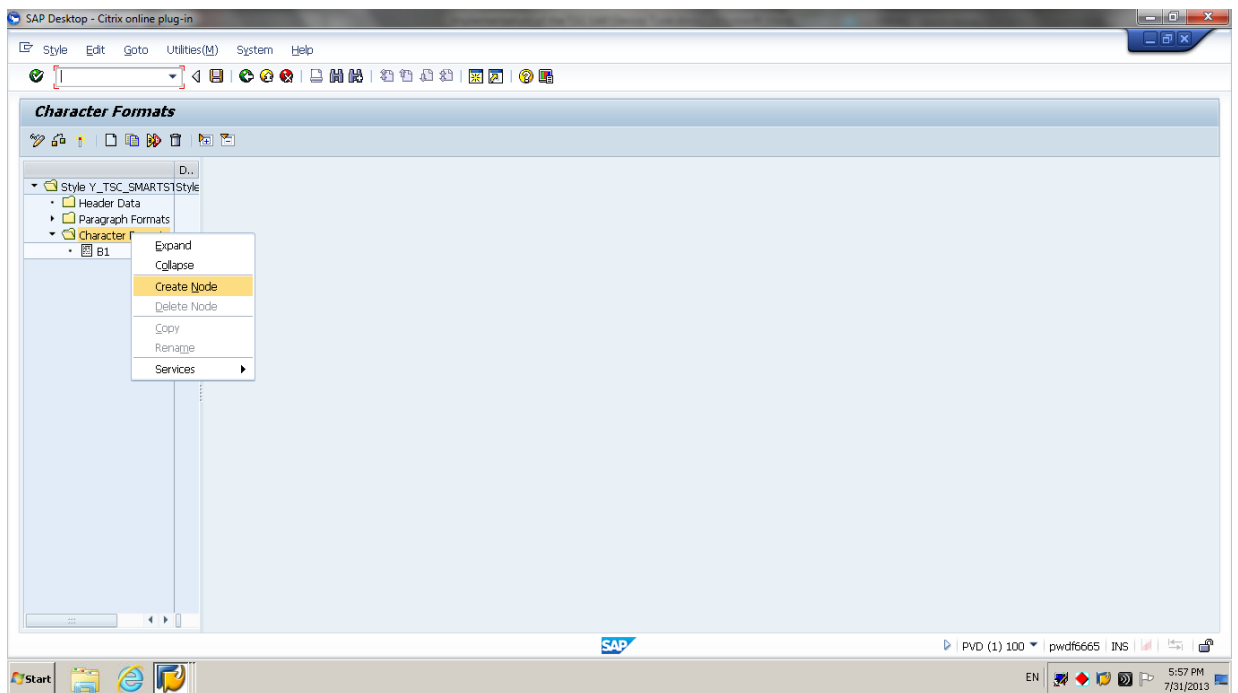





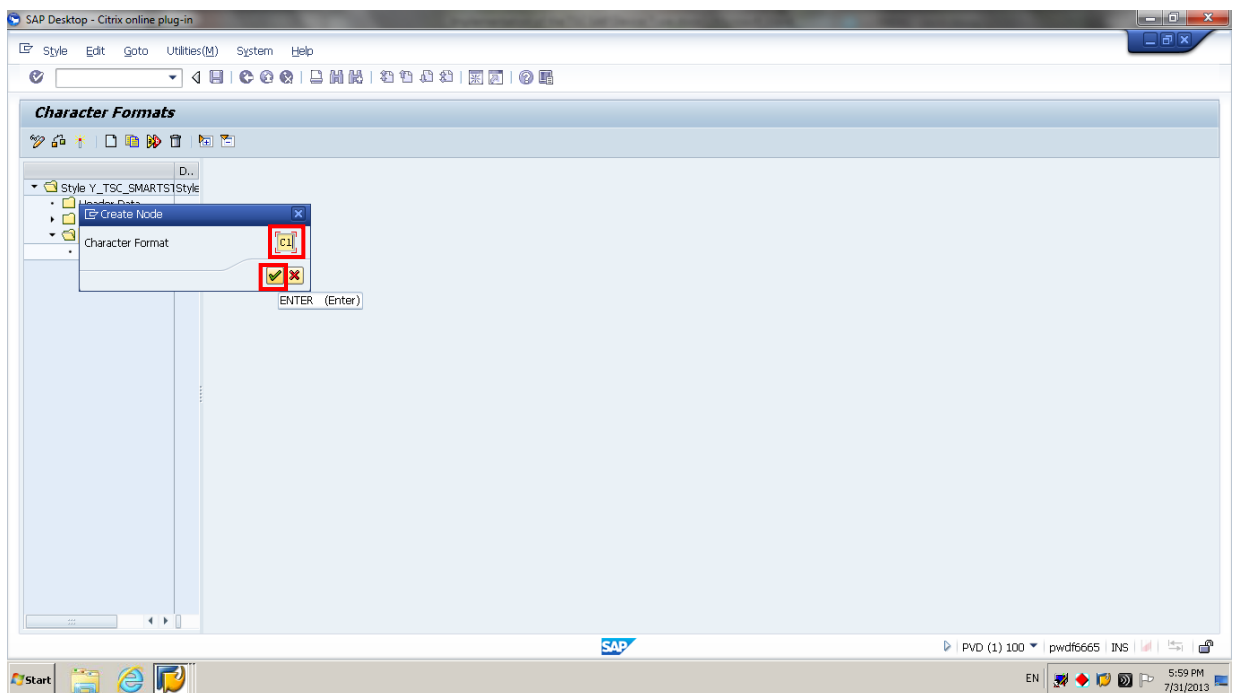
Enter some information in the field of the Description, e.g. **Code 39**; go to the Standard Settings tab to select the desired barcode type, e.g. **ZTSC39**.

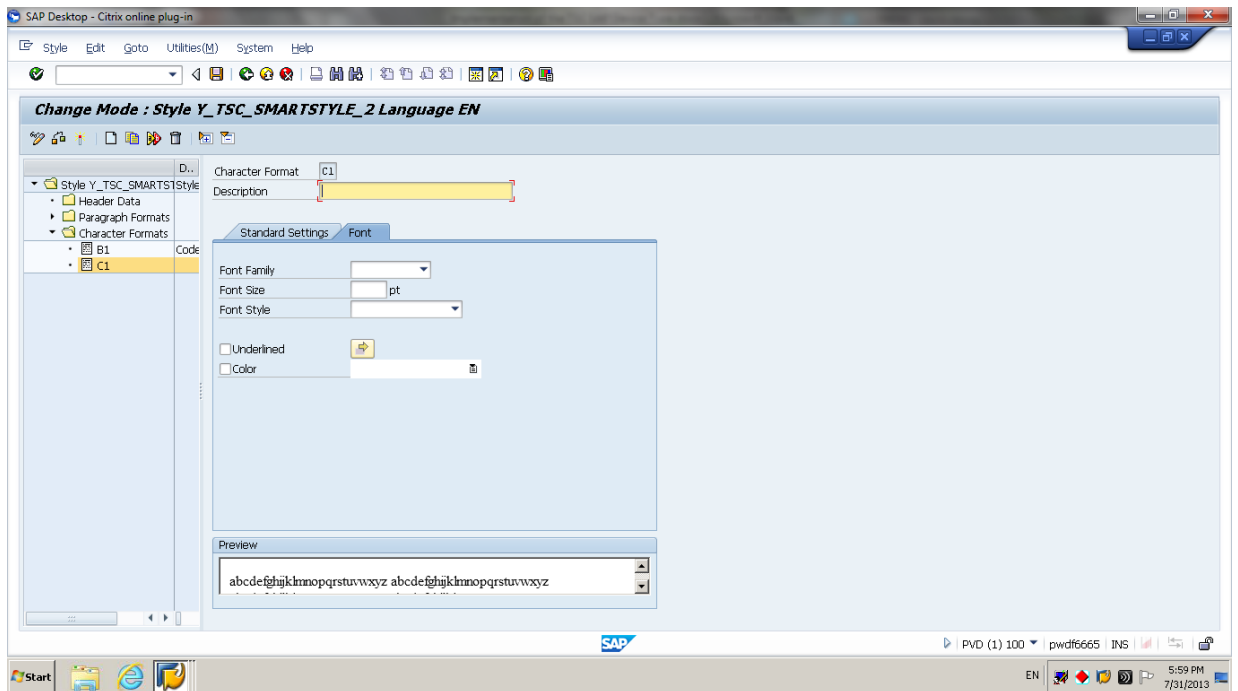


**Add a text into the Smart Style:** right click the folder of the Characters Formats and select the Create Node.

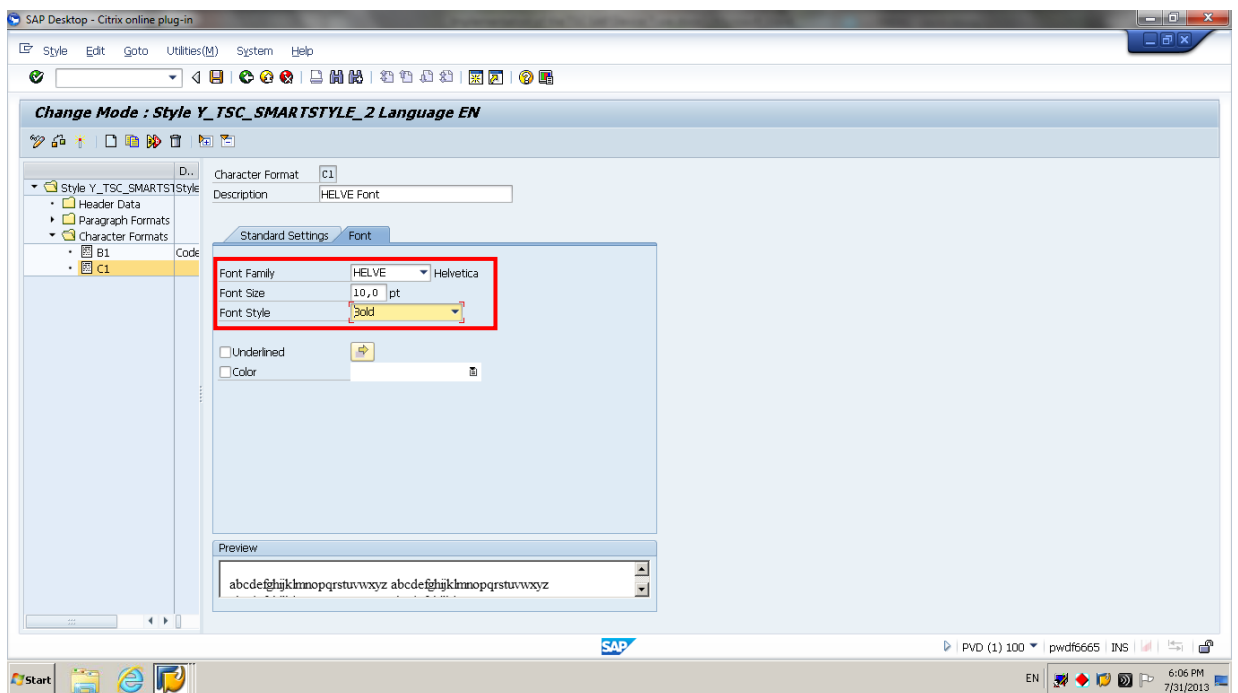


Type, e.g. C1, in the field of the Character Format, and click  (Enter) button.

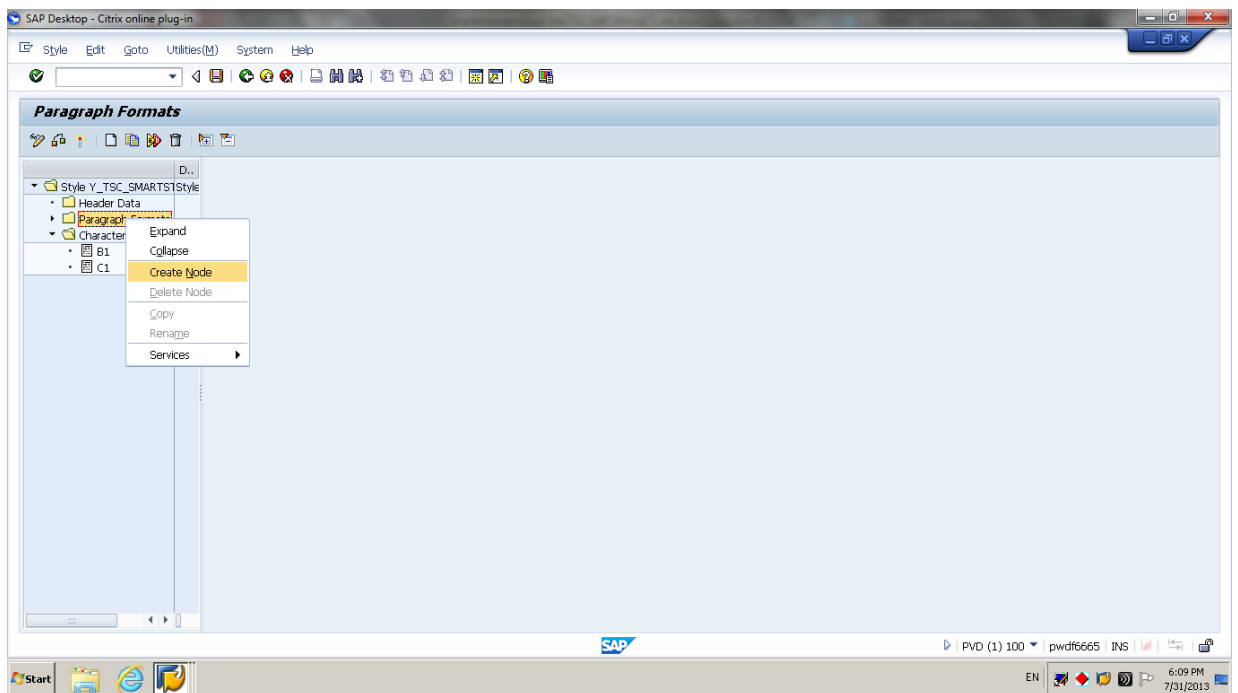




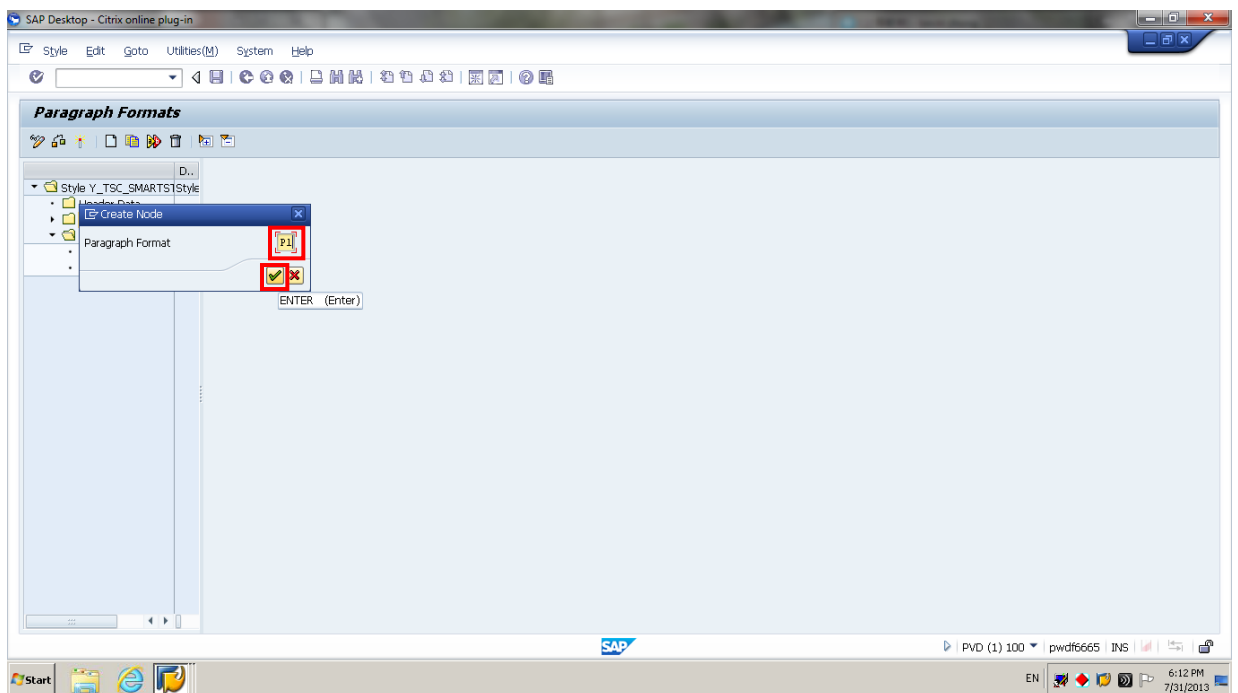
Go to the Font tab to enter some information in the field of the Description, e.g. **Helve font** and select the desired Font, e.g. **HELVE**, with other parameters.

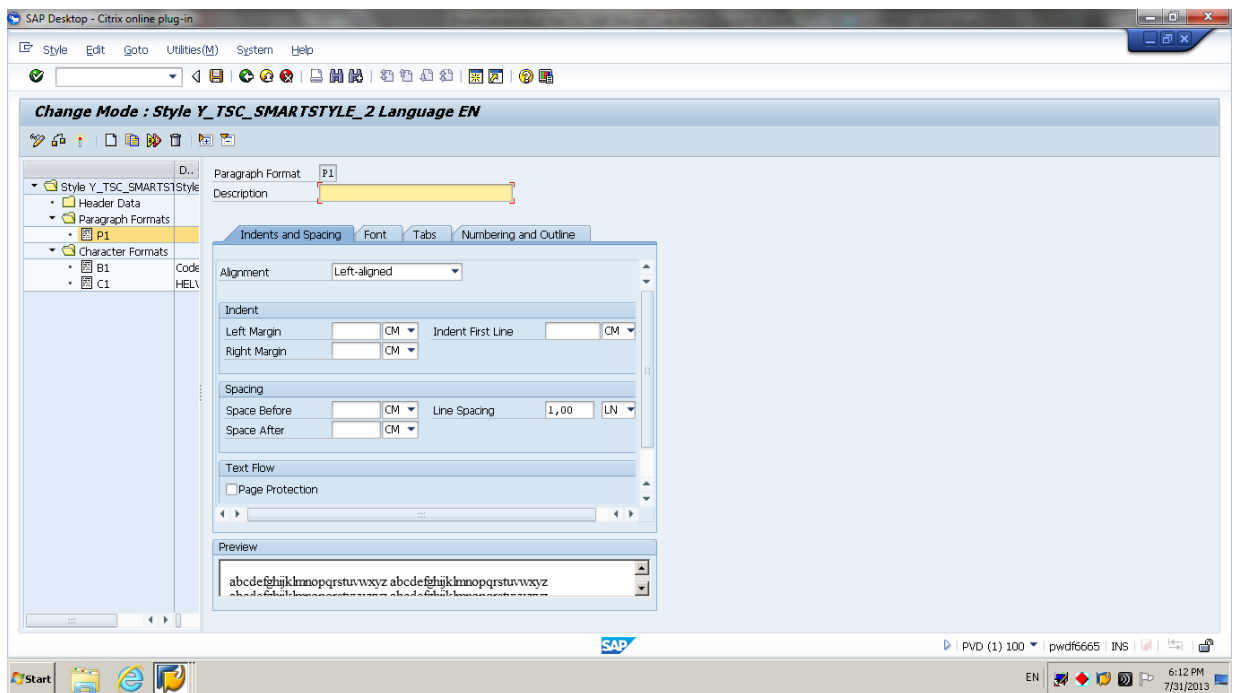


**Add a default Paragraph into the Smart Style:** right click the folder of the Paragraph Formats and select the Create Node.

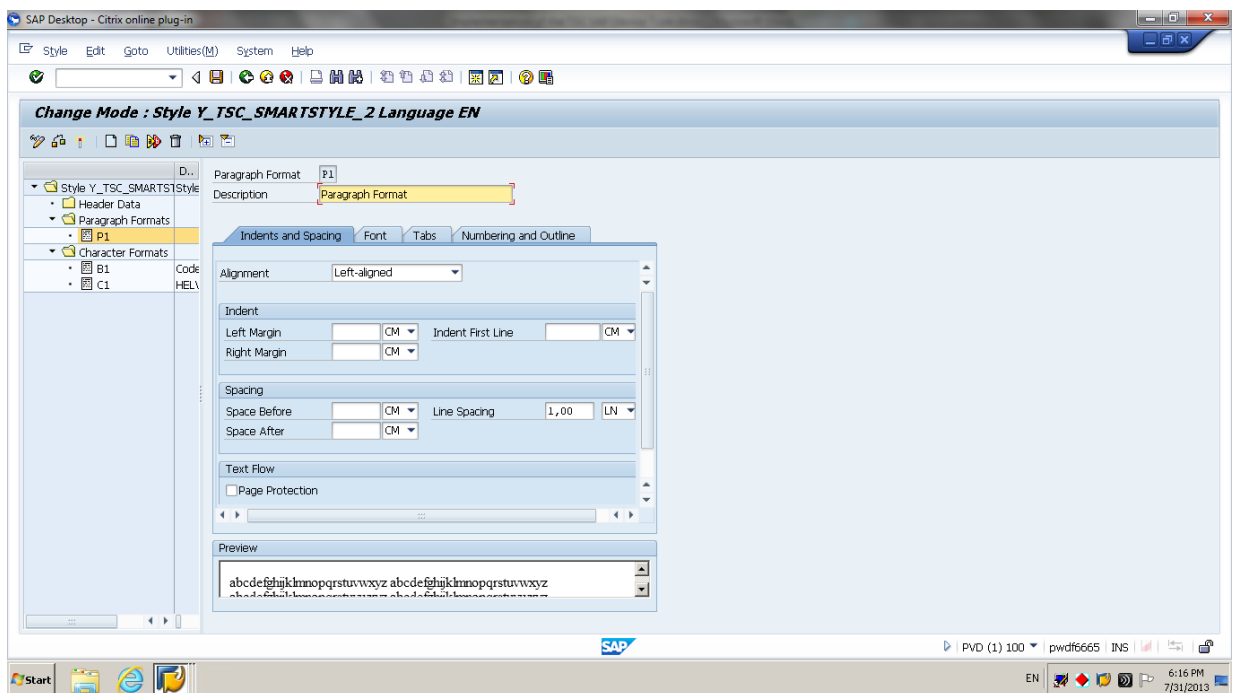


Type, e.g. P1, in the field of the Paragraph Format, and click  (Enter) button.



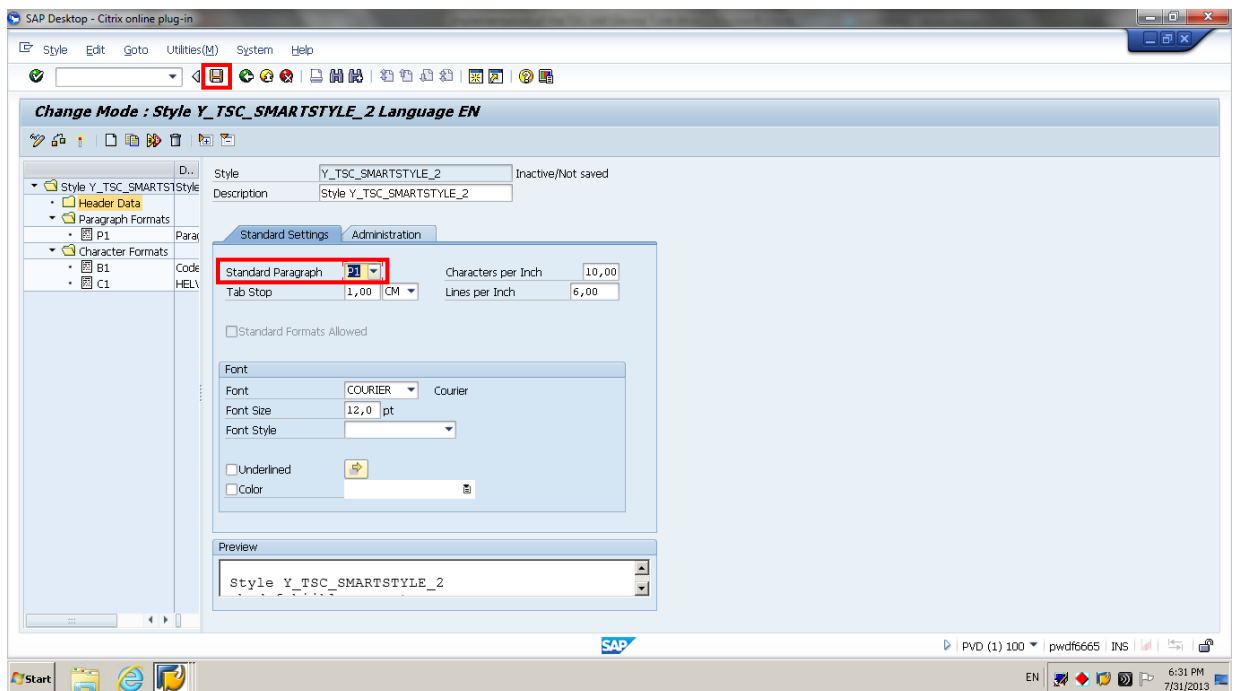



Enter some information in the field of the Description, e.g. Paragraph Format.

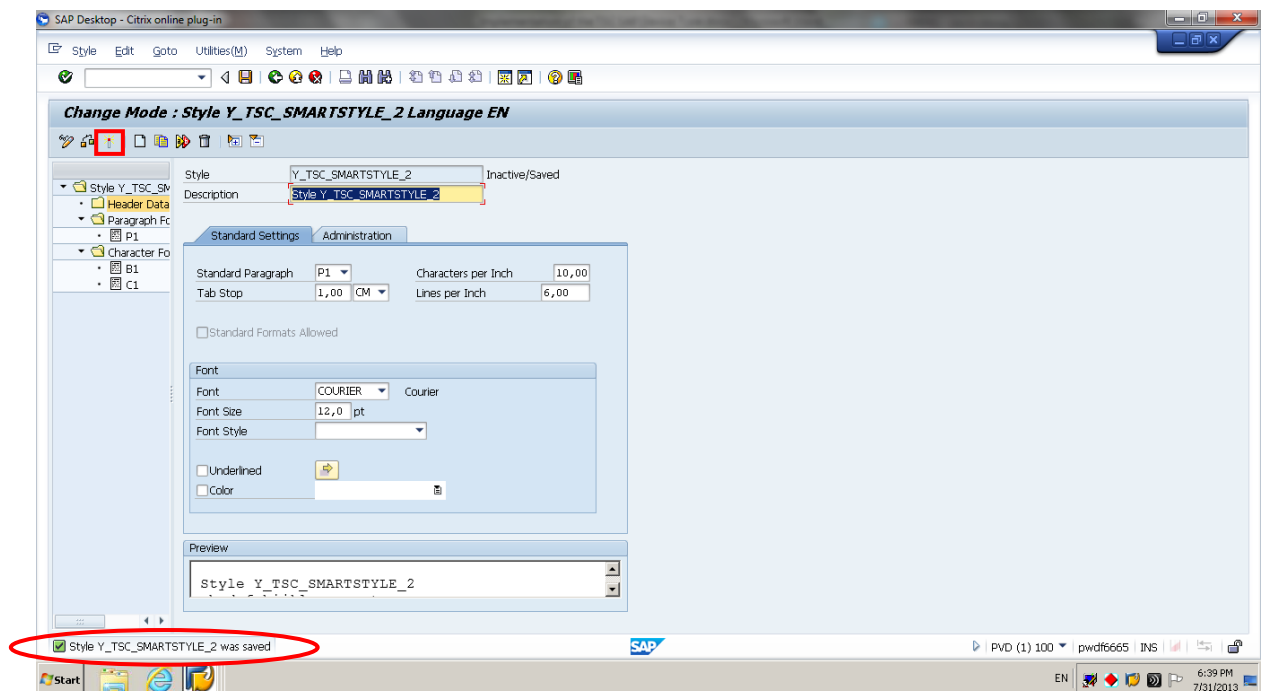





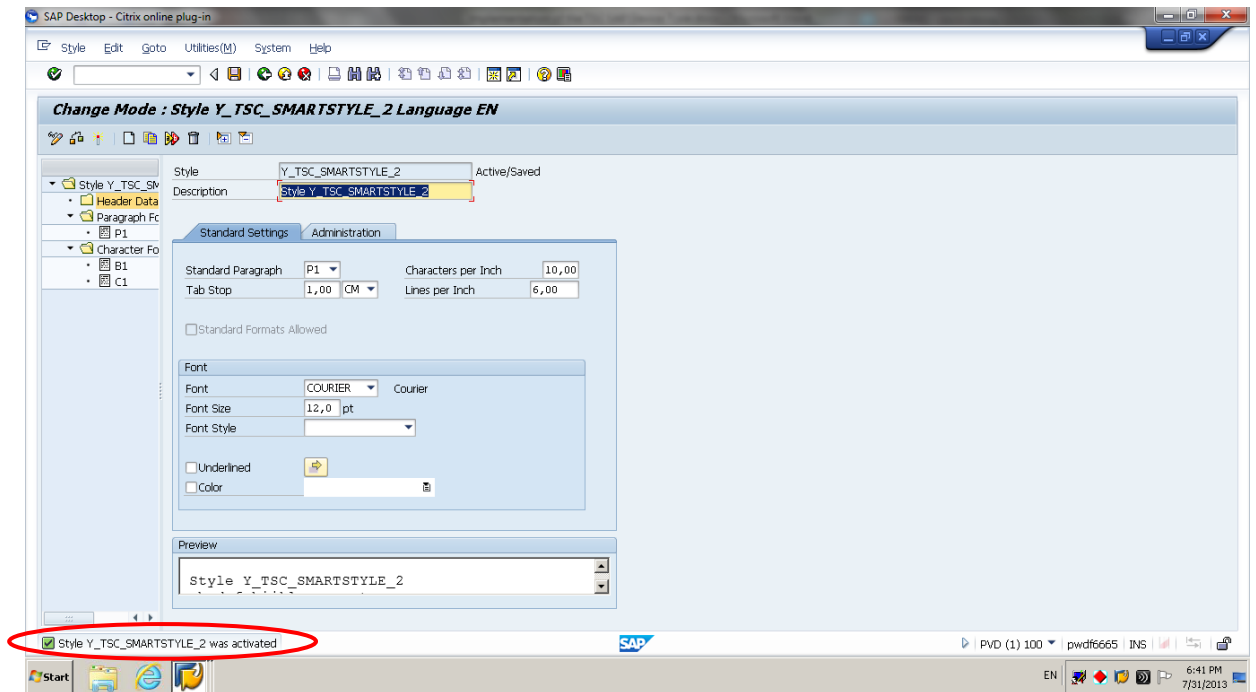
Click the folder of the Header Data; go to the Standard Settings tab to select the Standard Paragraph, e.g. **P1**.



Click  (Save) button to save the Smart Style.

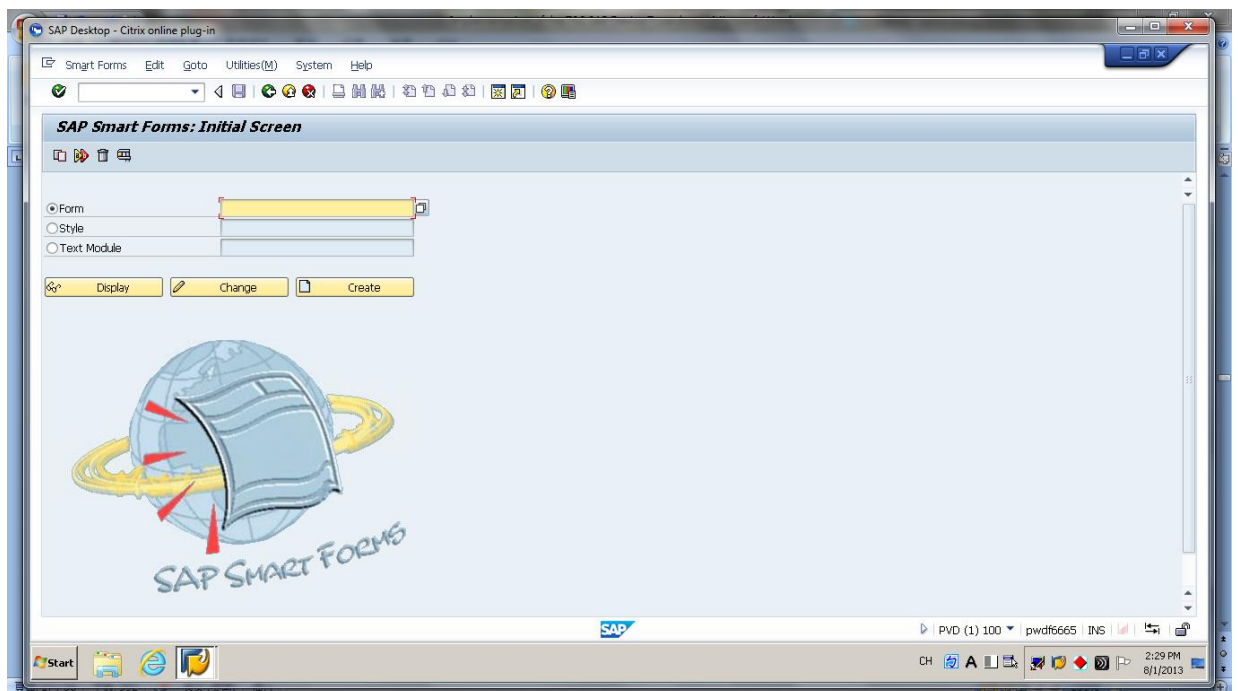


Click  (Activate) button to activate the Smart Style.

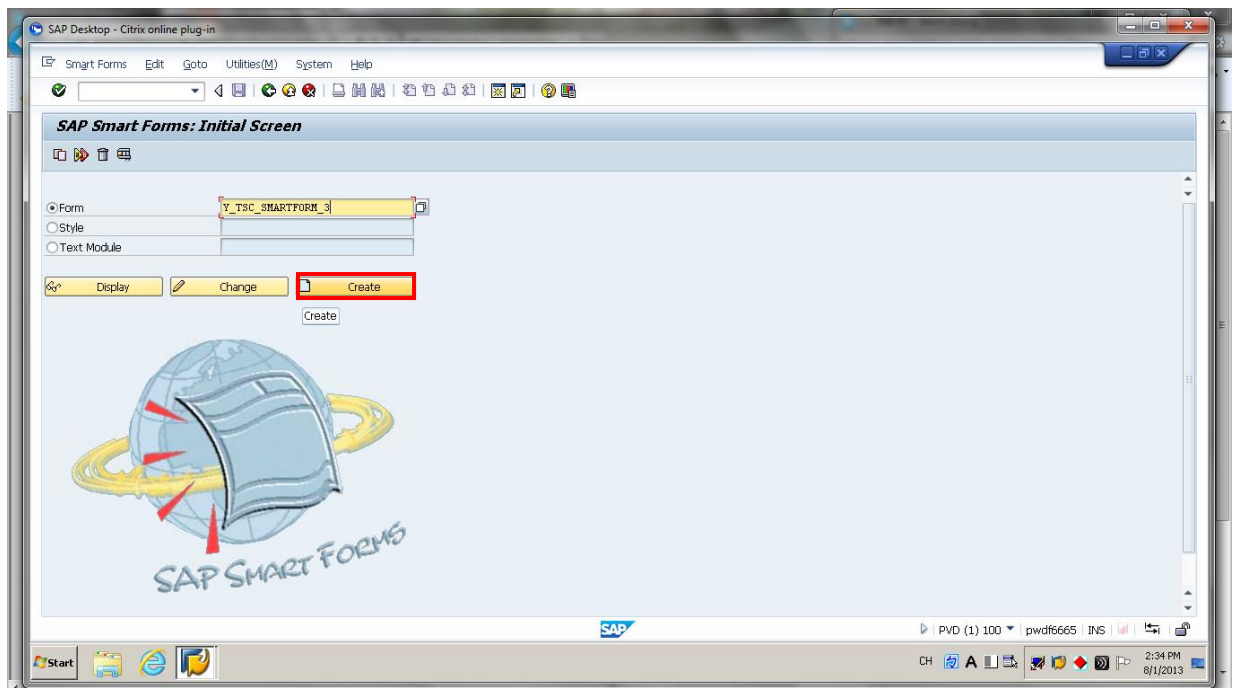


### 3.3. Create a Testing Smart Form

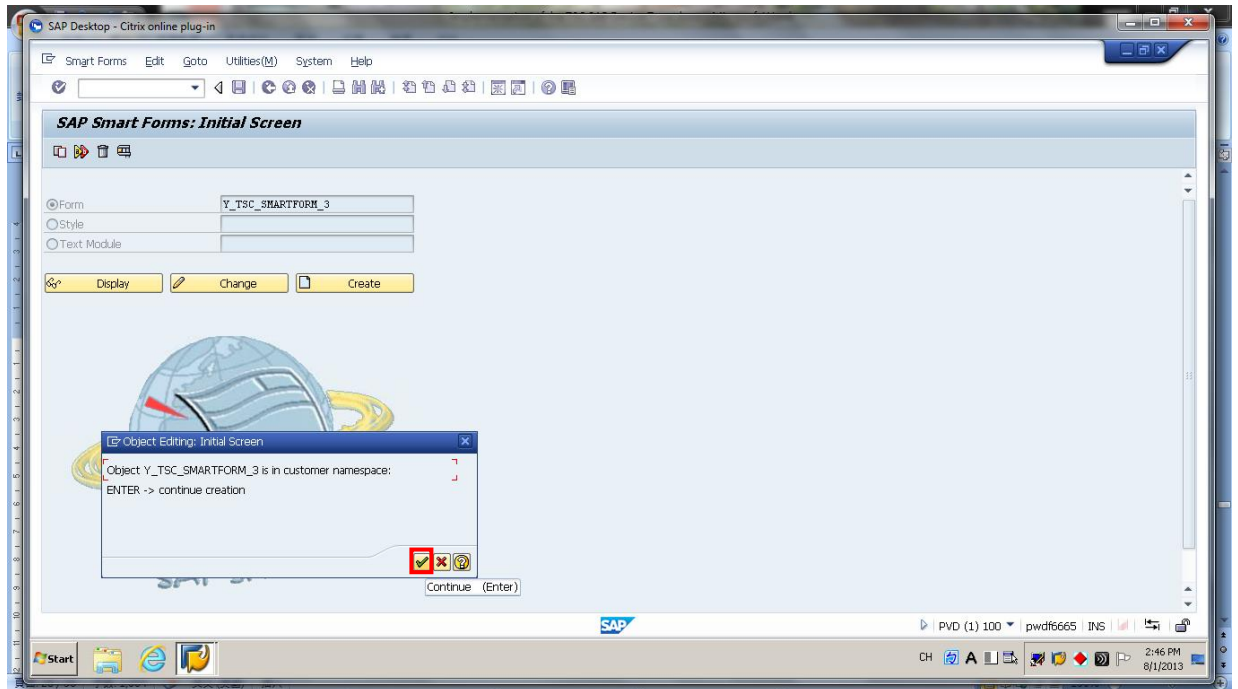
Search for the “Smartforms” to retrieve the SAP Smart Forms window.




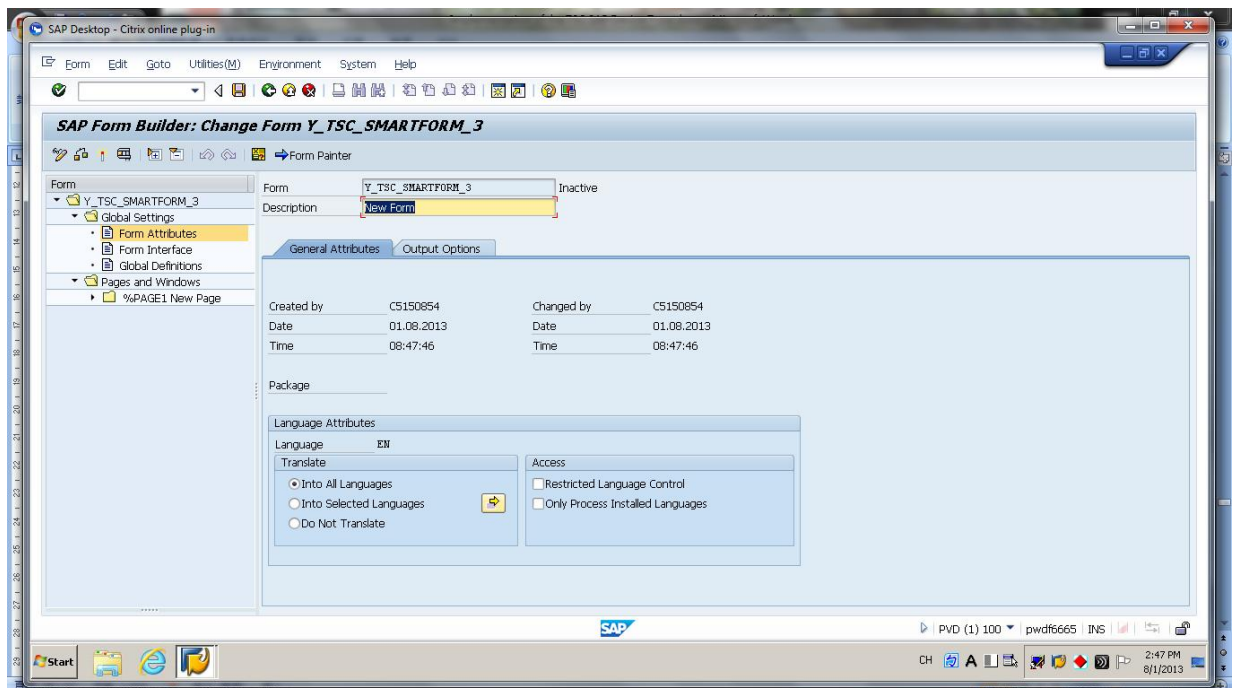
Type the Smart Form name, e.g. **Y\_TSC\_SMARTFORM\_3**. (Note: The Smart Form name has to start with “Y”, e.g. **Y\_TSC\_SMARTFORM\_3**.)



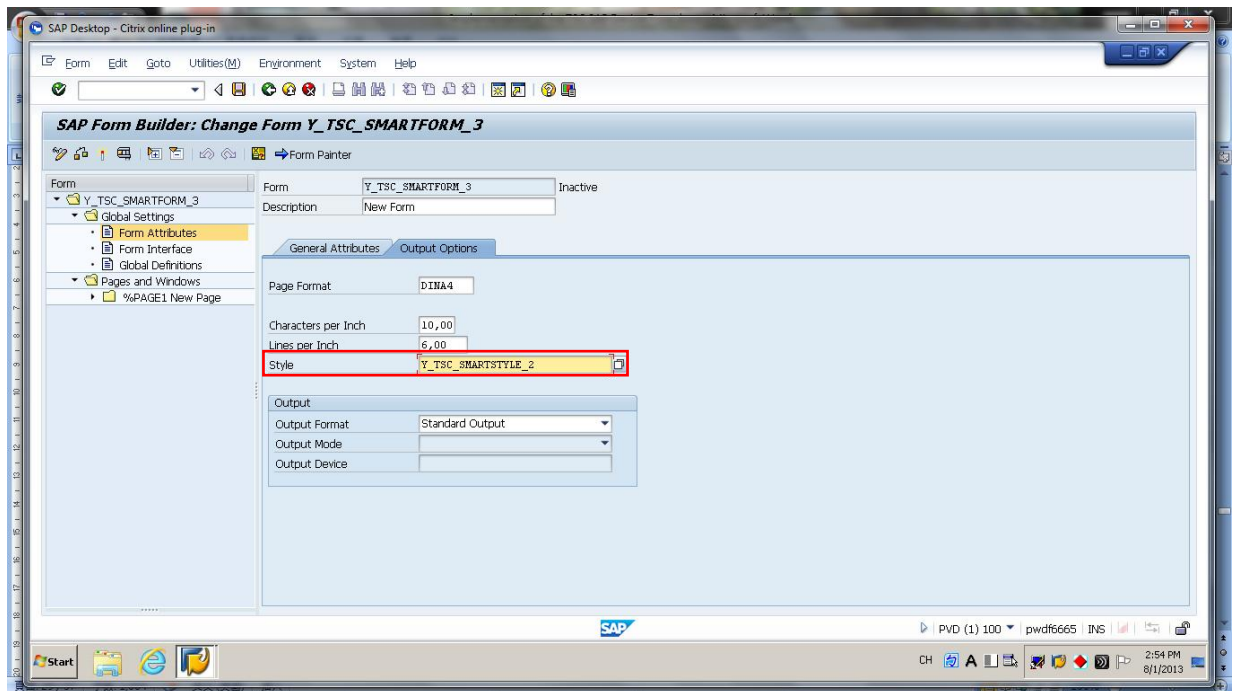
Click the Create button to create a new SAP Smart Form.



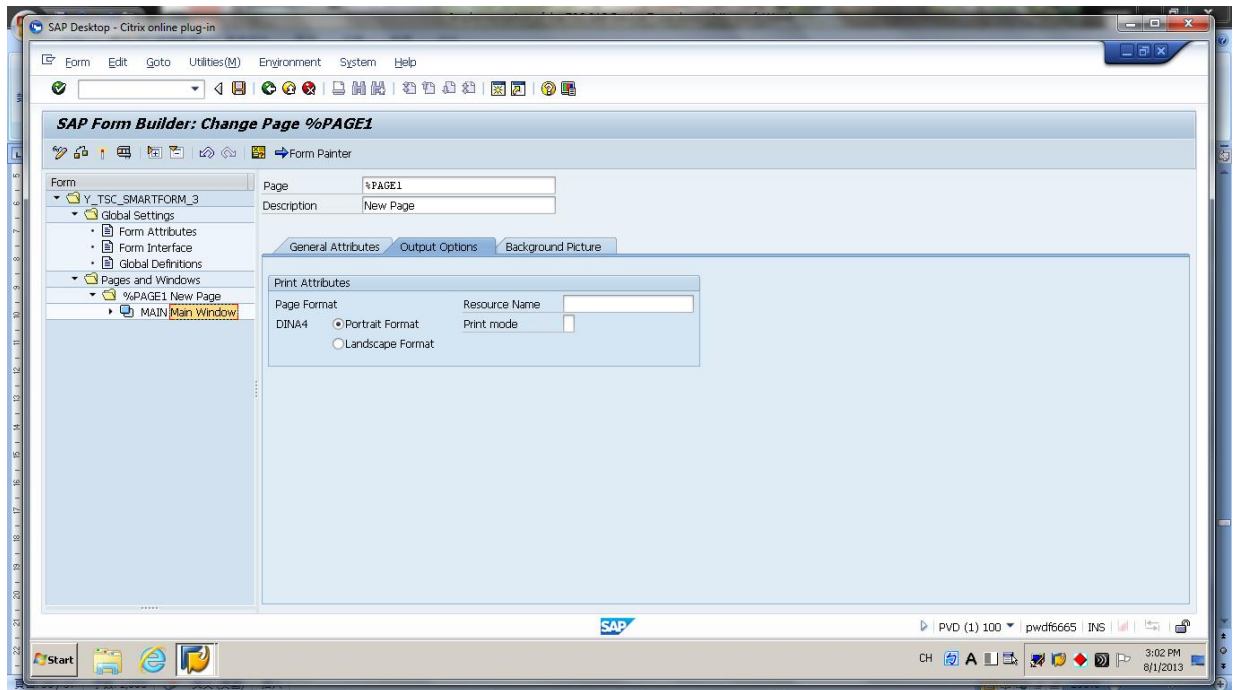
Click  (Continue) button to open the Smart Form editor.



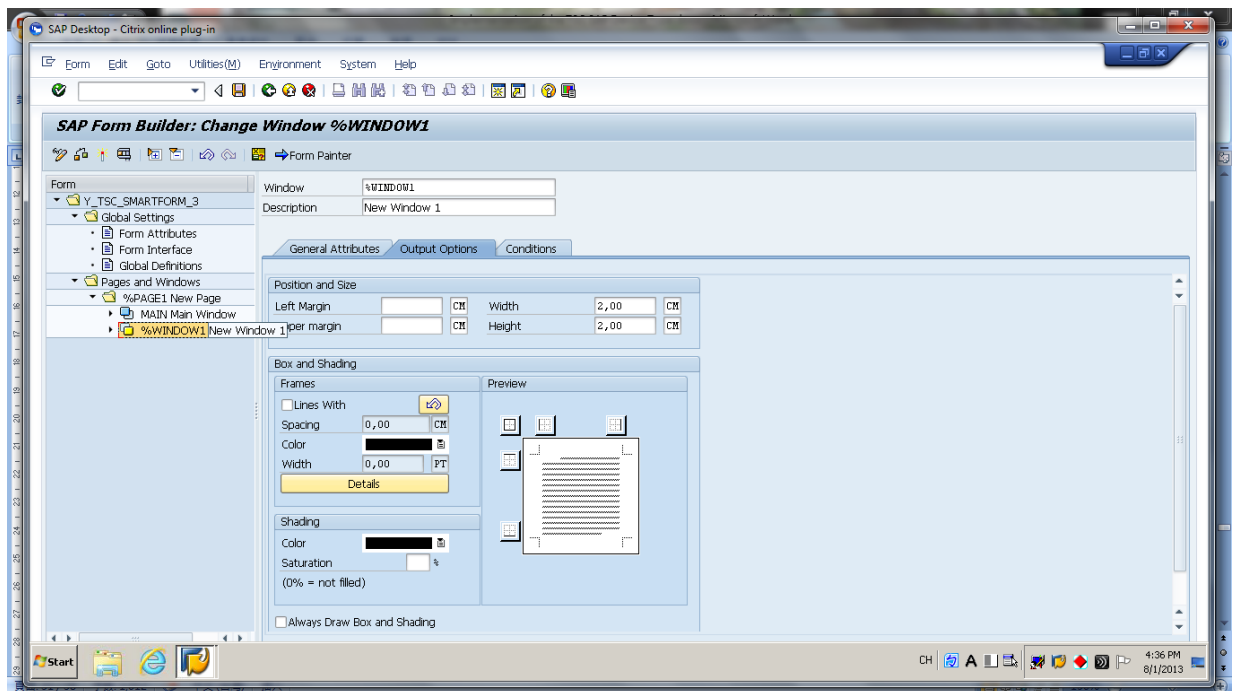
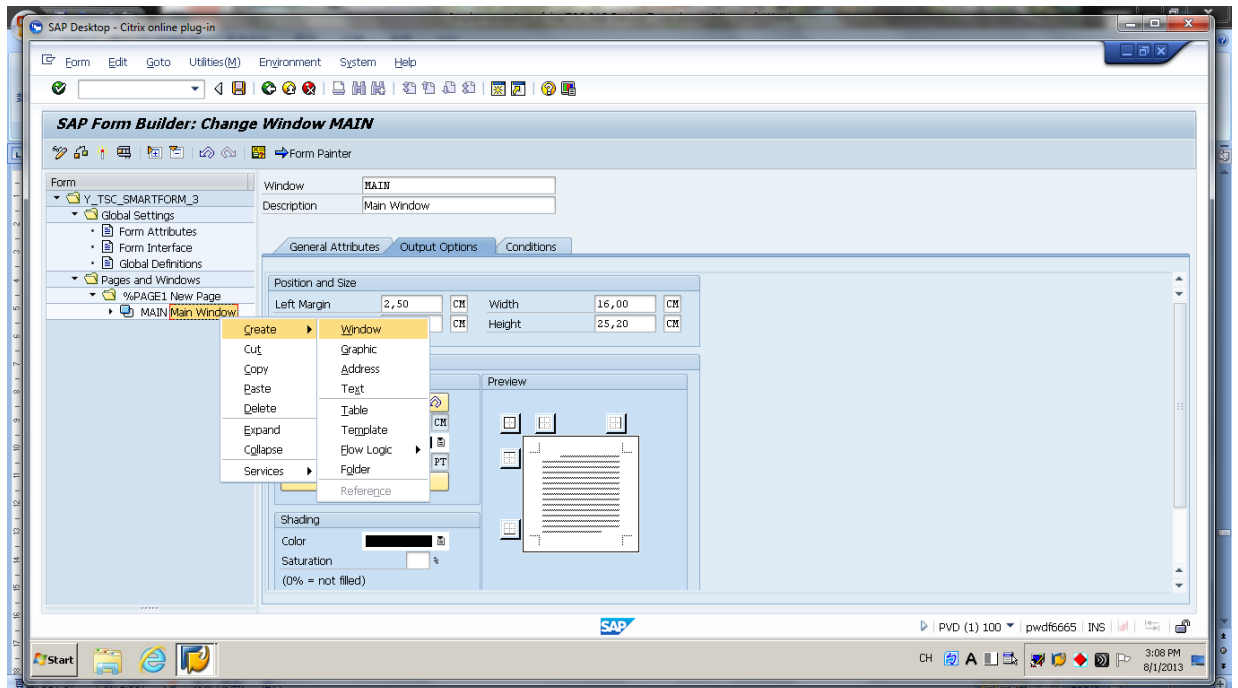
Go to the Output Option Tab to type the desired Smart Style, e.g.  
Y\_TSC\_SMARTSTYLE\_2.



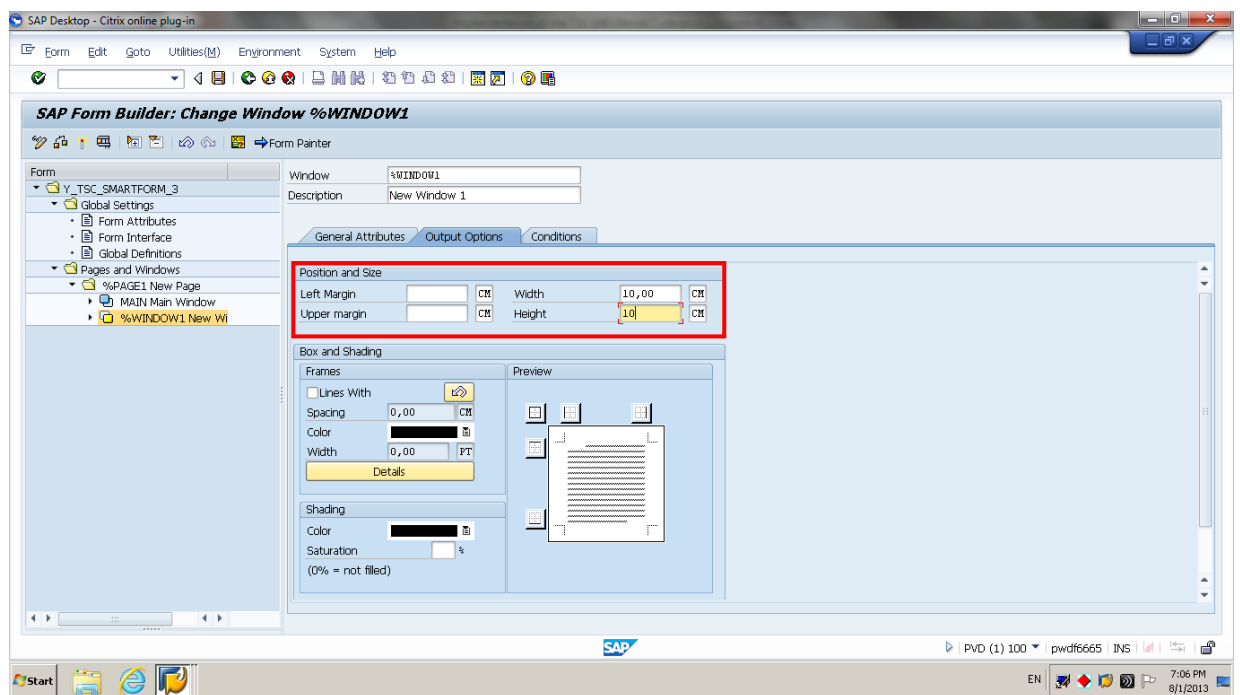
Expand the folder of (Pages and Windows) / (%PAGE1 New Page) to select the window of (MAIN Main Window).



**Add a WINDOW into the Smart Form:** right click the folder of (MAIN Main Window) and select the Create>Window to add a new WINDOW window.

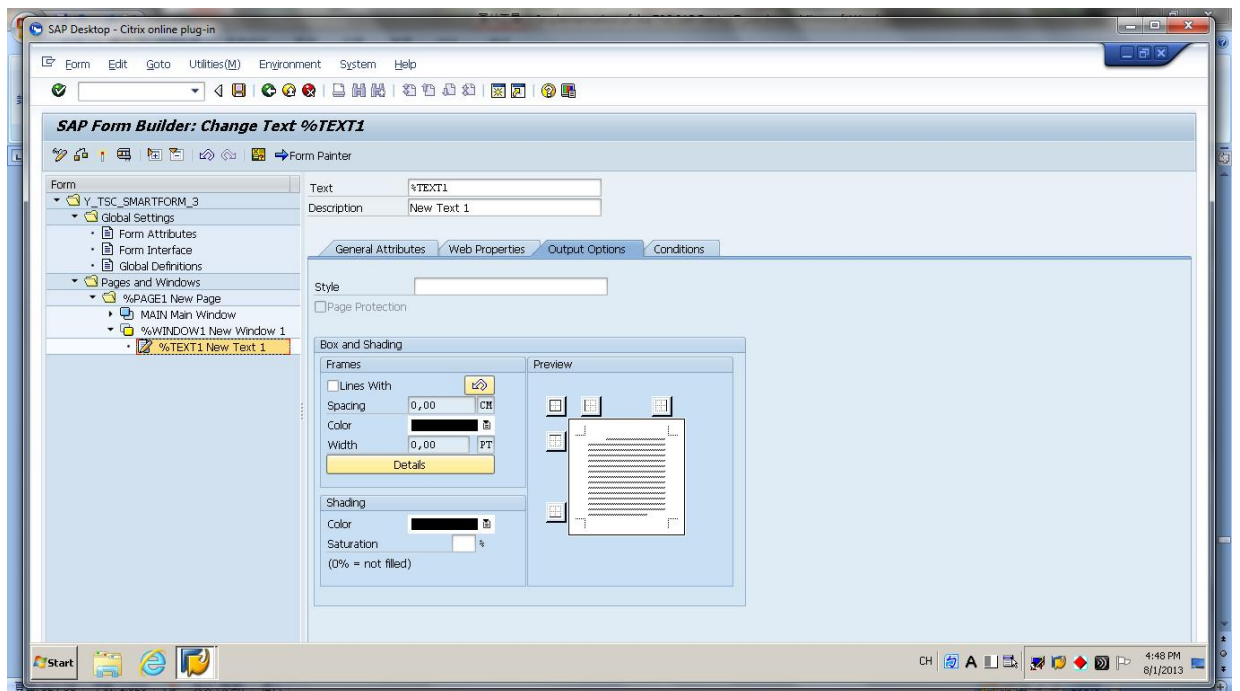
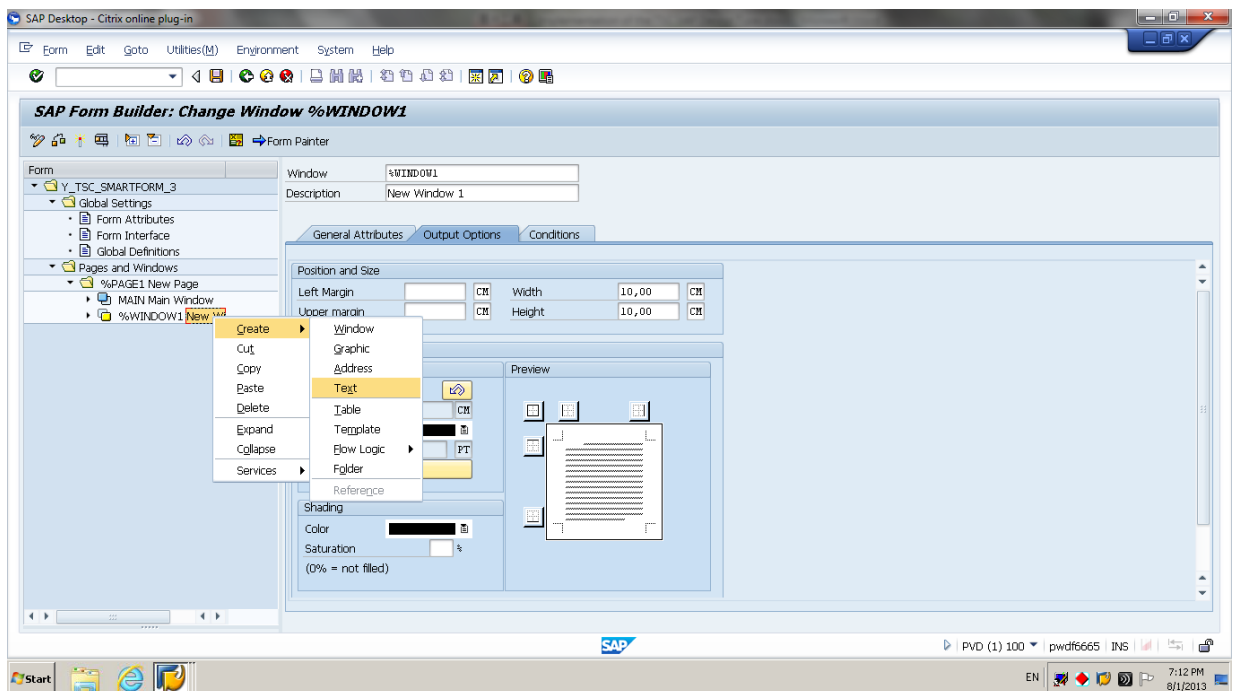


Set up the Position and Size of the labels.

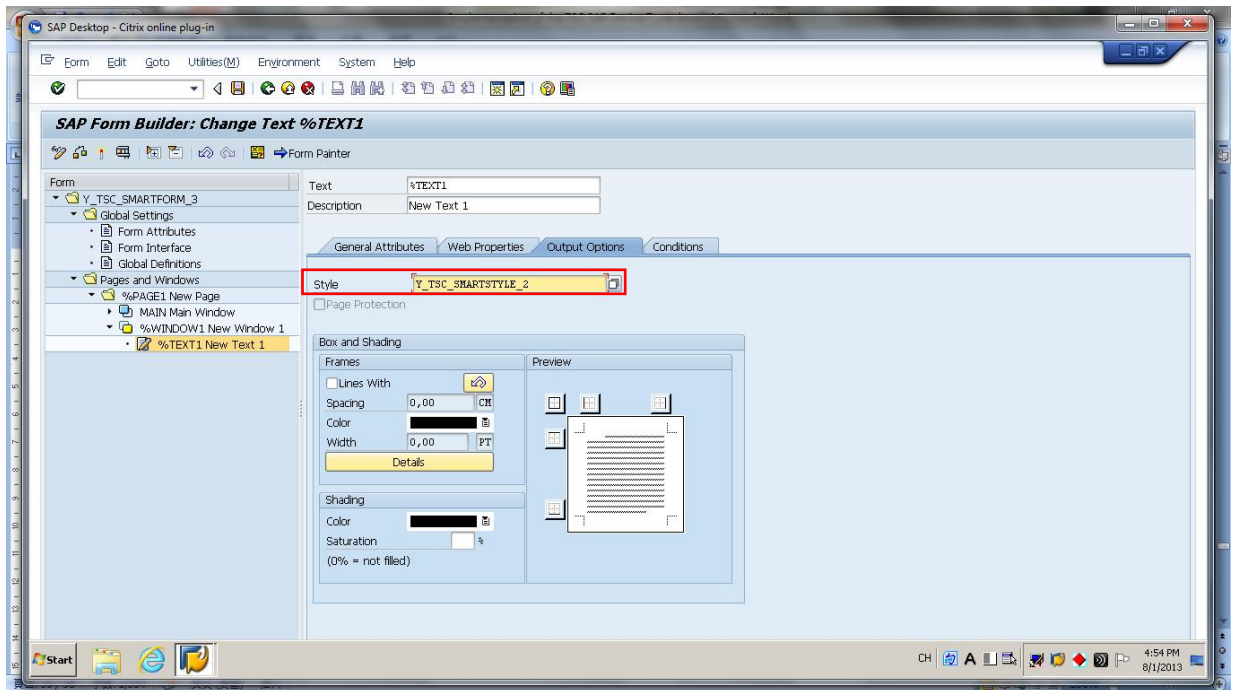




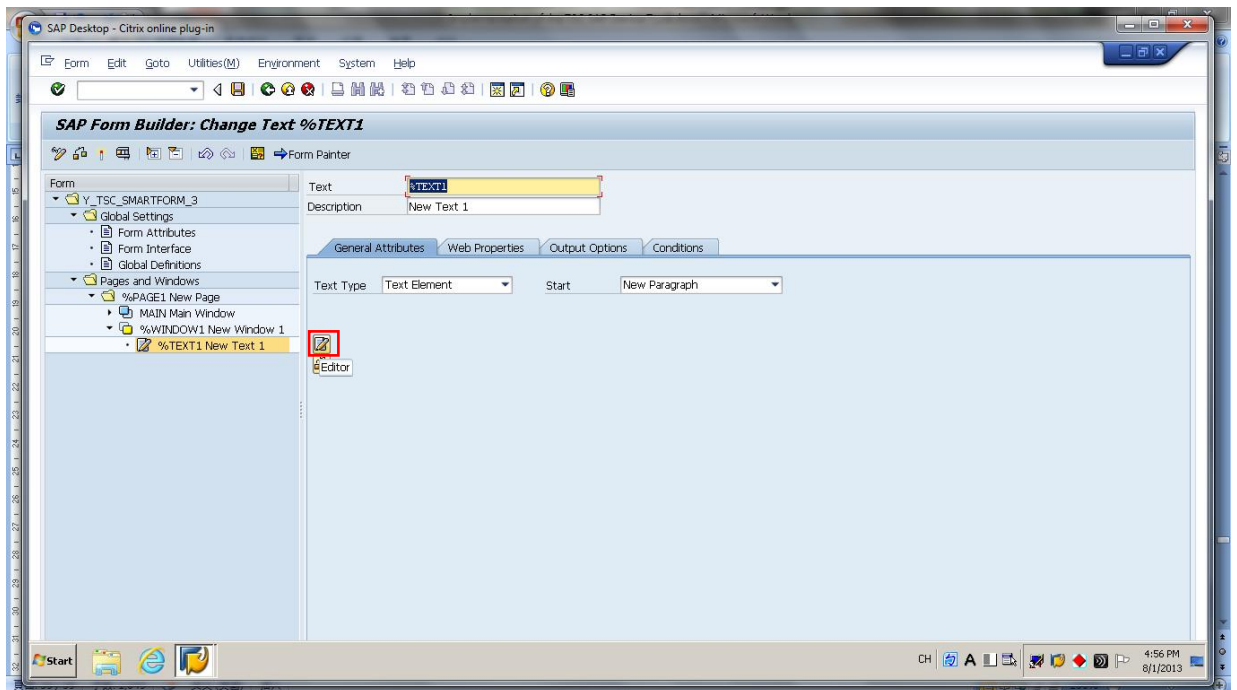
**Add a TEXT into the WINDOW:** right click the folder of (%WINDOW1 New Window 1) and select the Create>Text to add a new TEXT window.



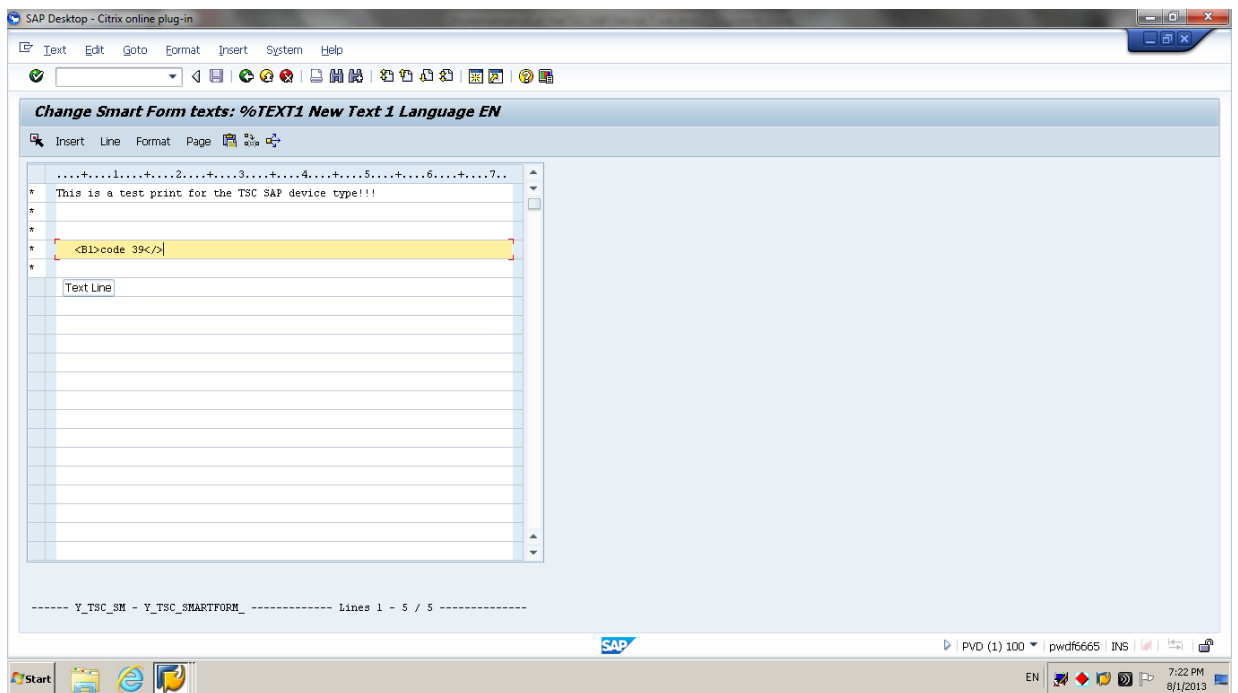
Go to the Output Option Tab to type the desired Smart Style, e.g. Y\_TSC\_SMARTSTYLE\_2.



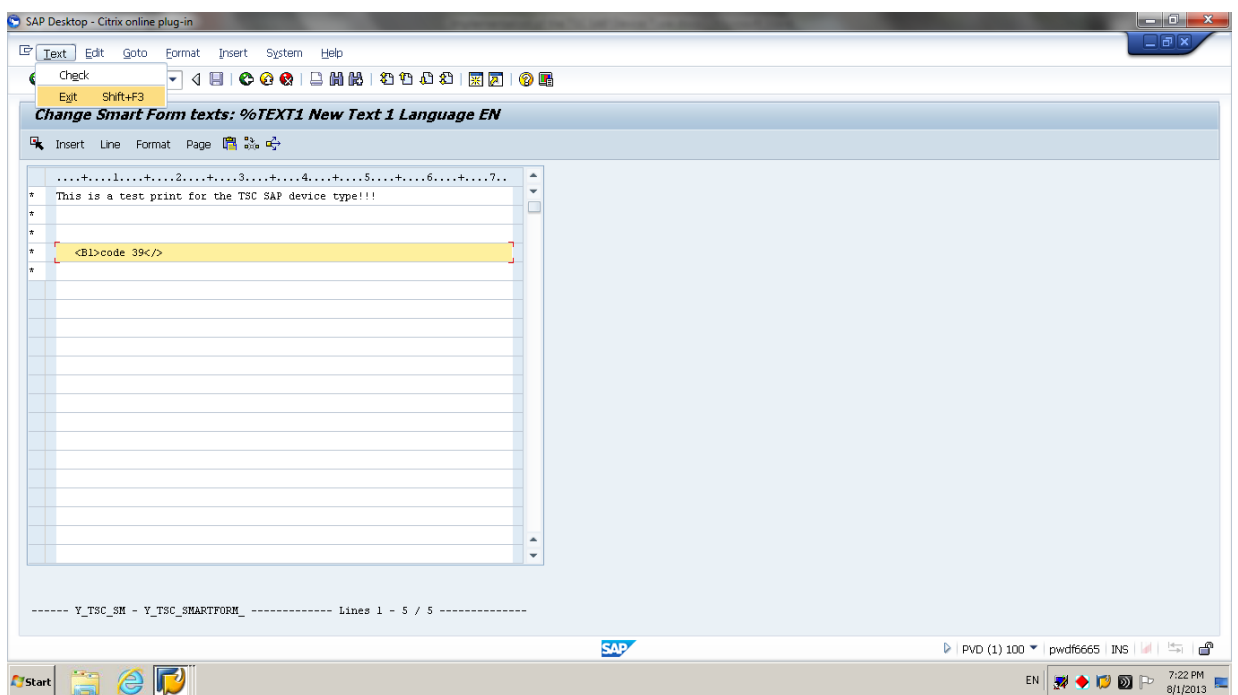
Go to the General Attributes tab to click  (Editor) to open the Smart Form editor.




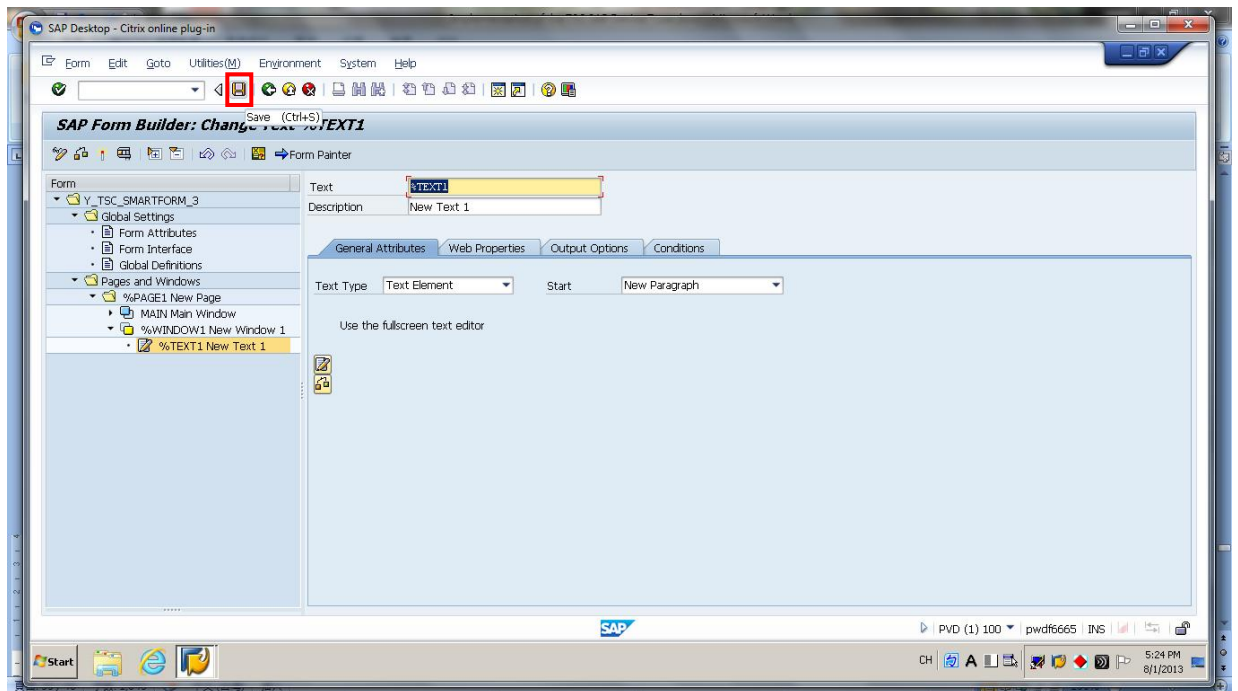
Type some message for printing.



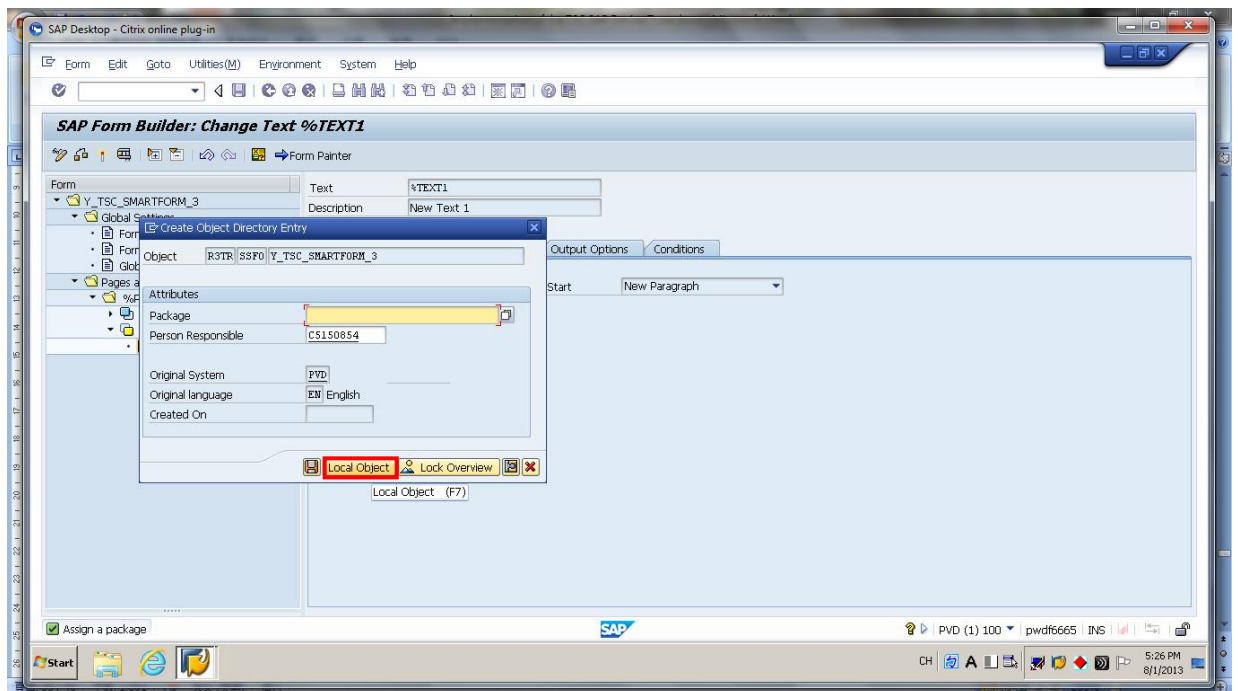
Go to the menu bar with **Text > Exit** to exit the editor.

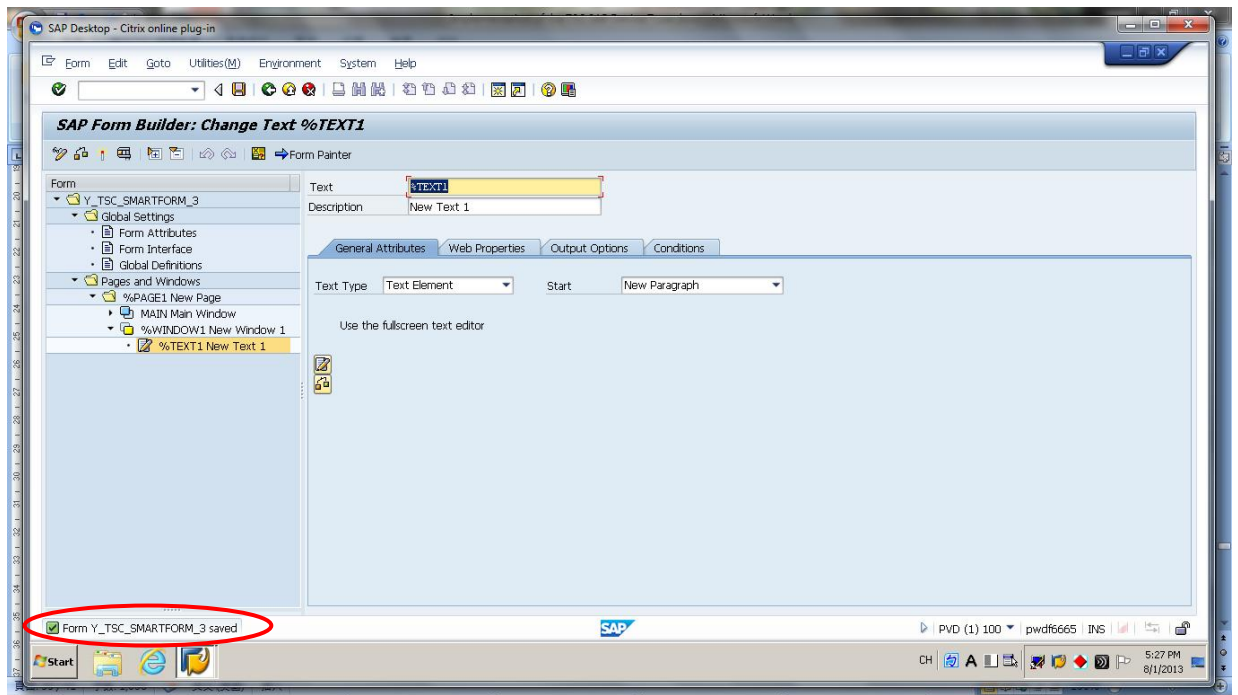



Click  (Save) button to save the Smart Form.

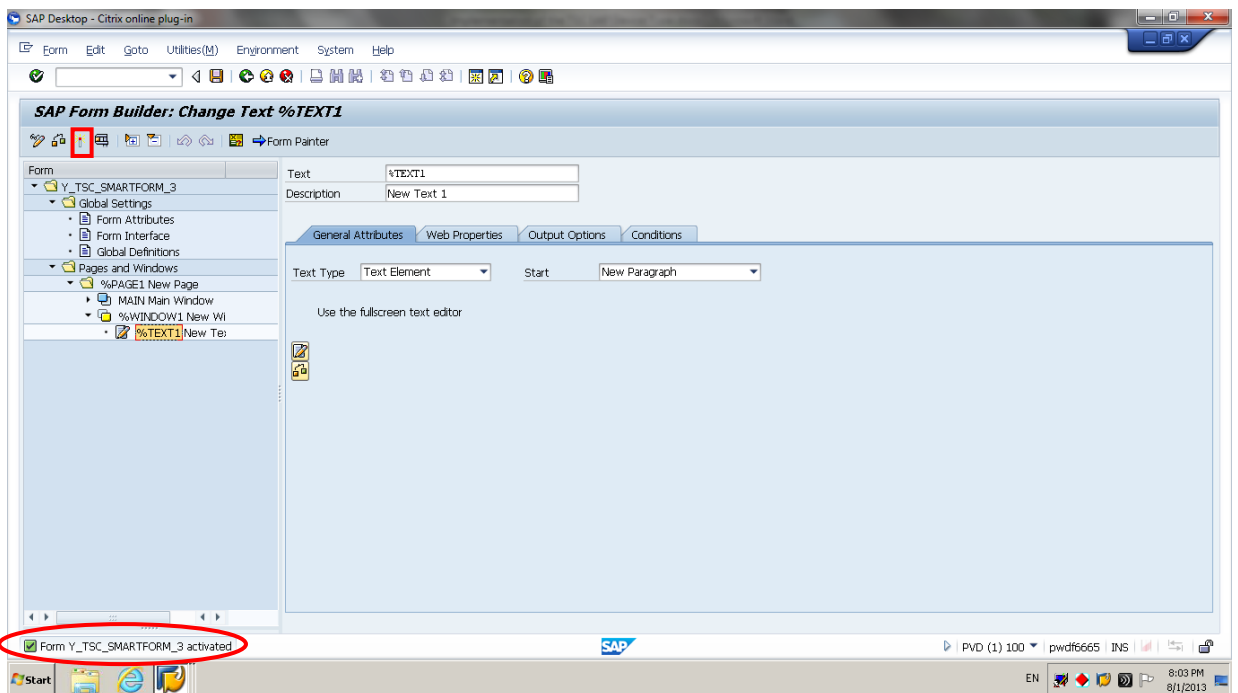


Click the Local Object button.

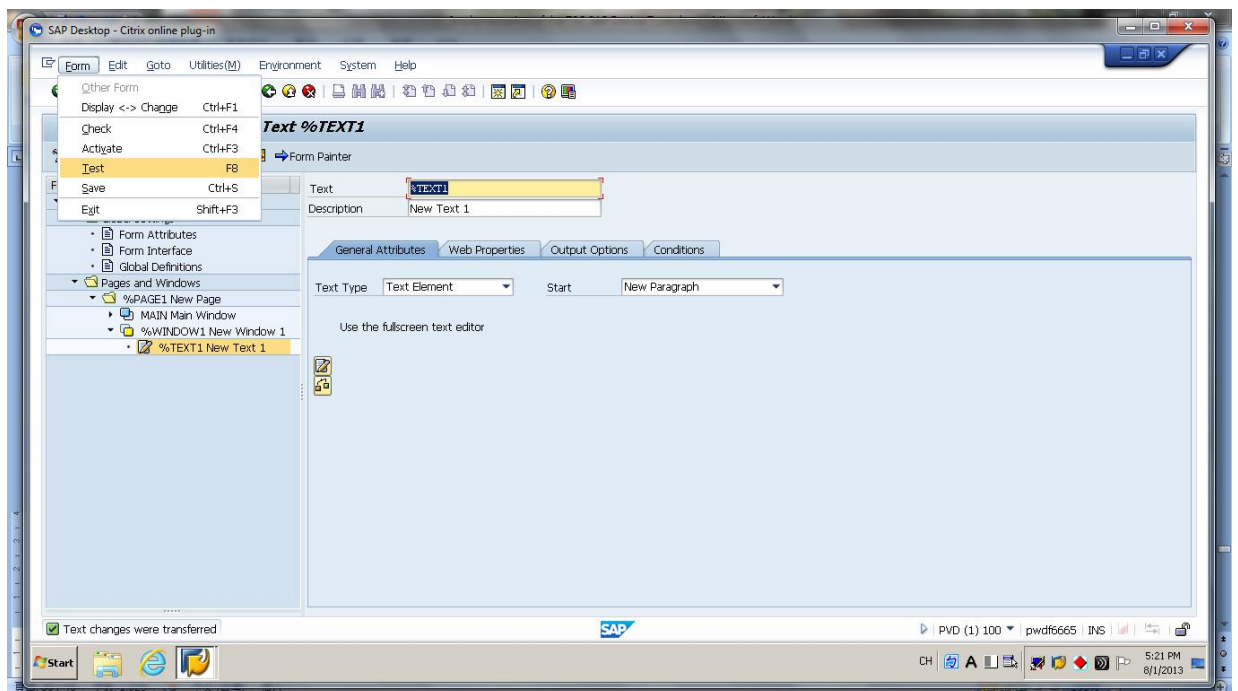




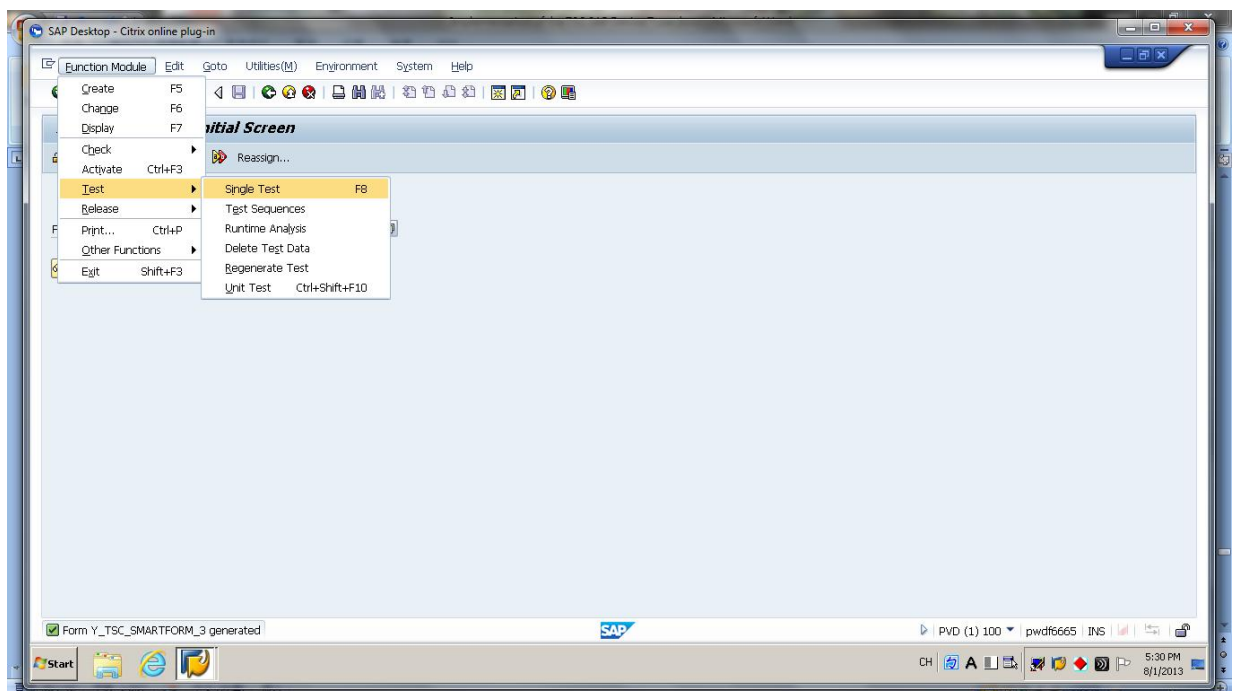
Click  (Activate) button to activate the Smart Form.



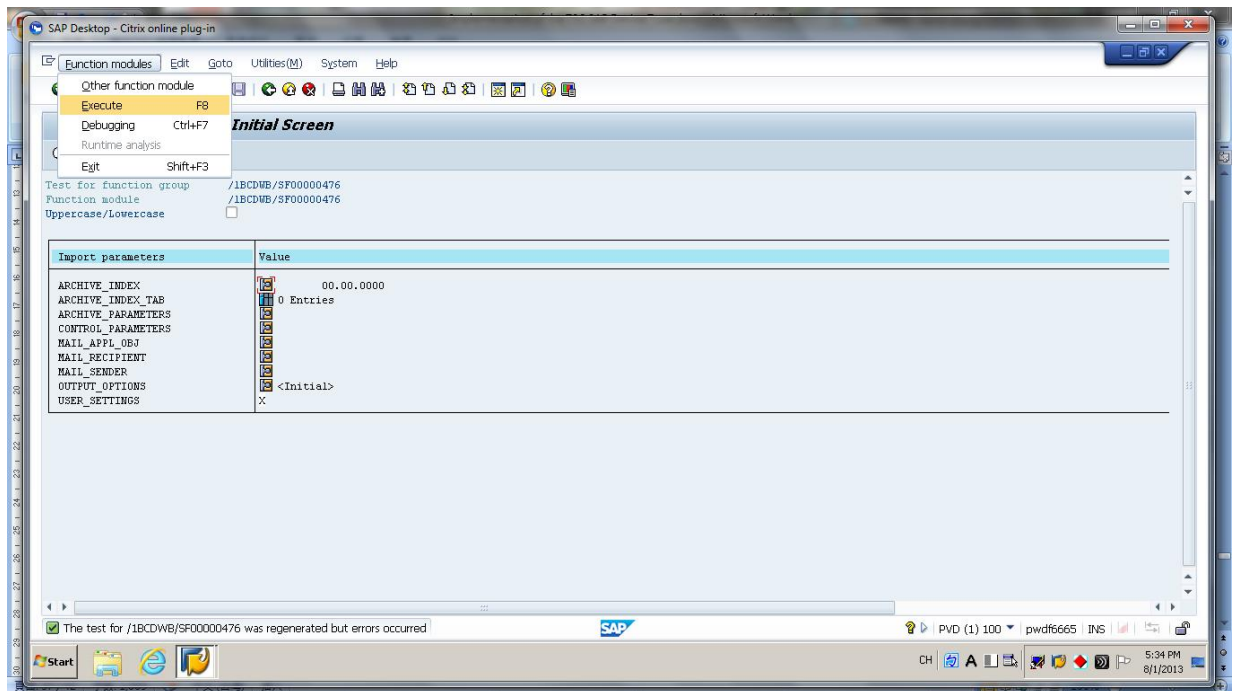
Go to the menu bar with **Form > Test** or <F8> to exit the editor.



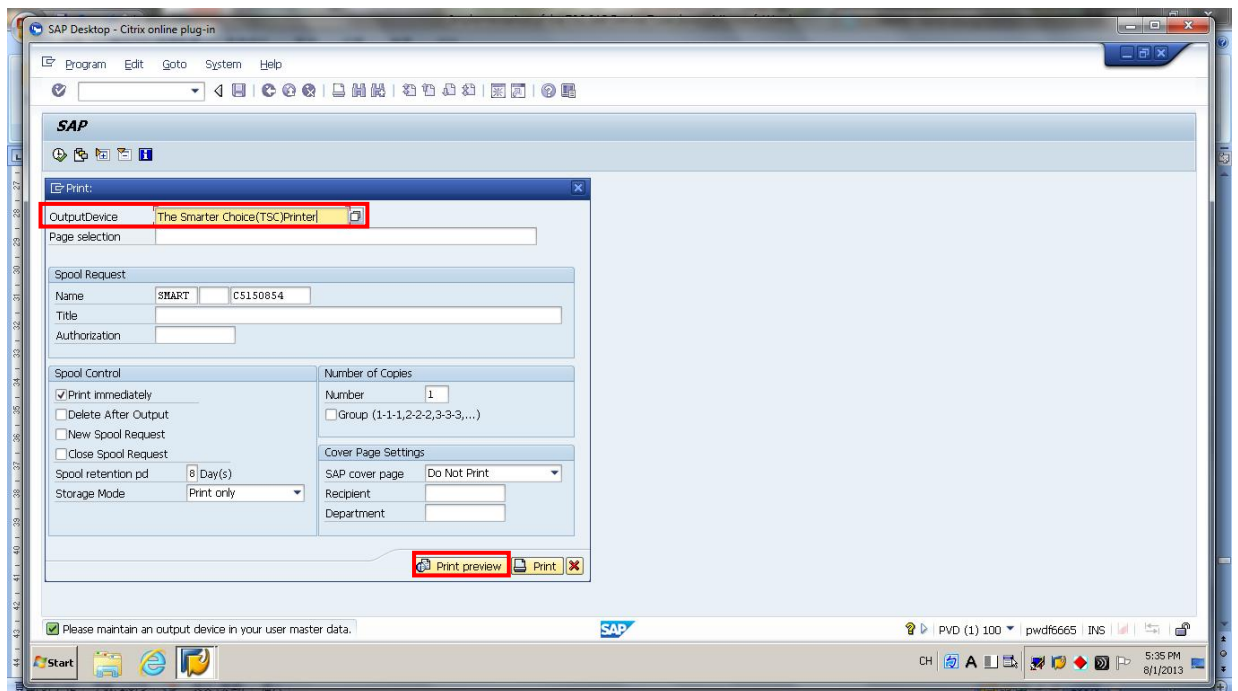
Go to the menu bar with **Function Module > Test > Single Test** or <F8>.



Go to the menu bar with **Function Module > Execute** or <F8>.

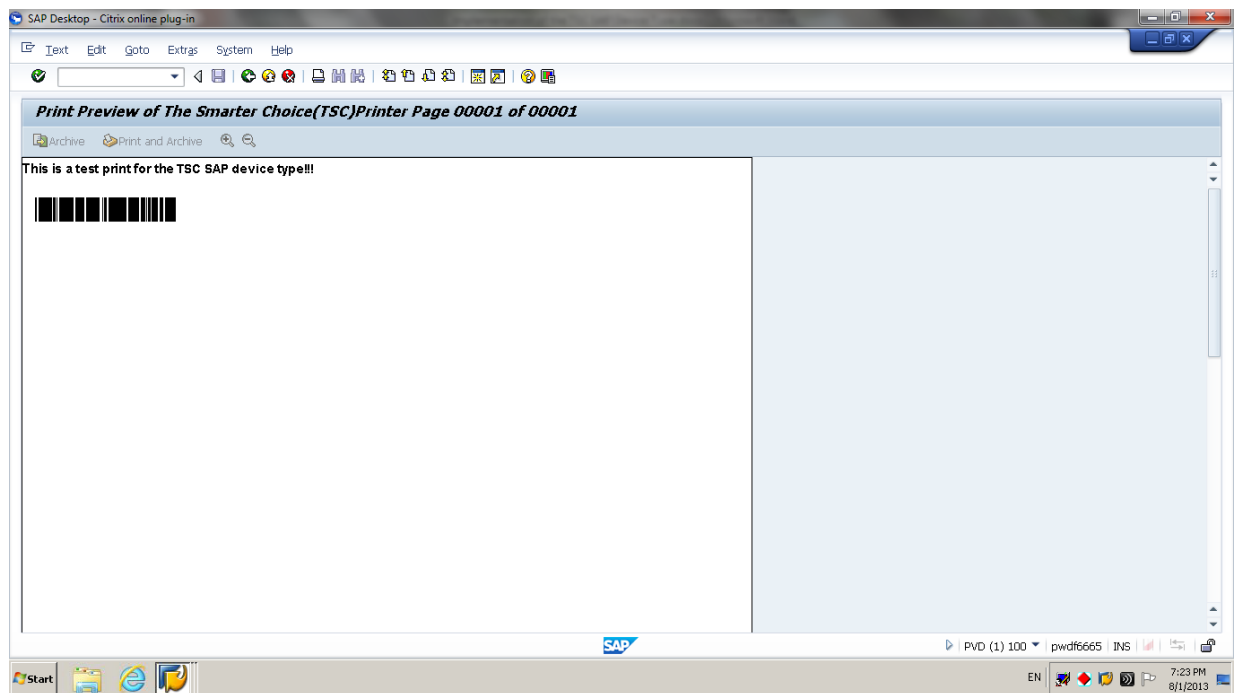


Type the Output Device name, e.g. **The Smarter Choice(TSC)Printer**.

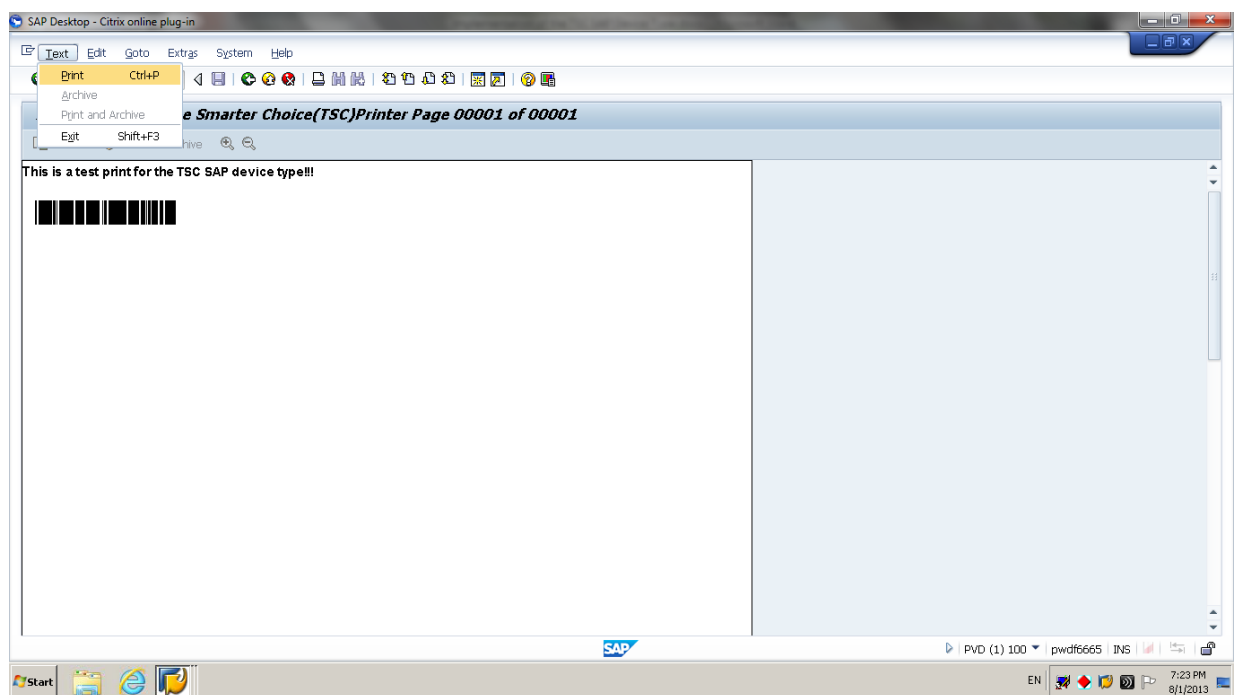




Click the Print preview button.

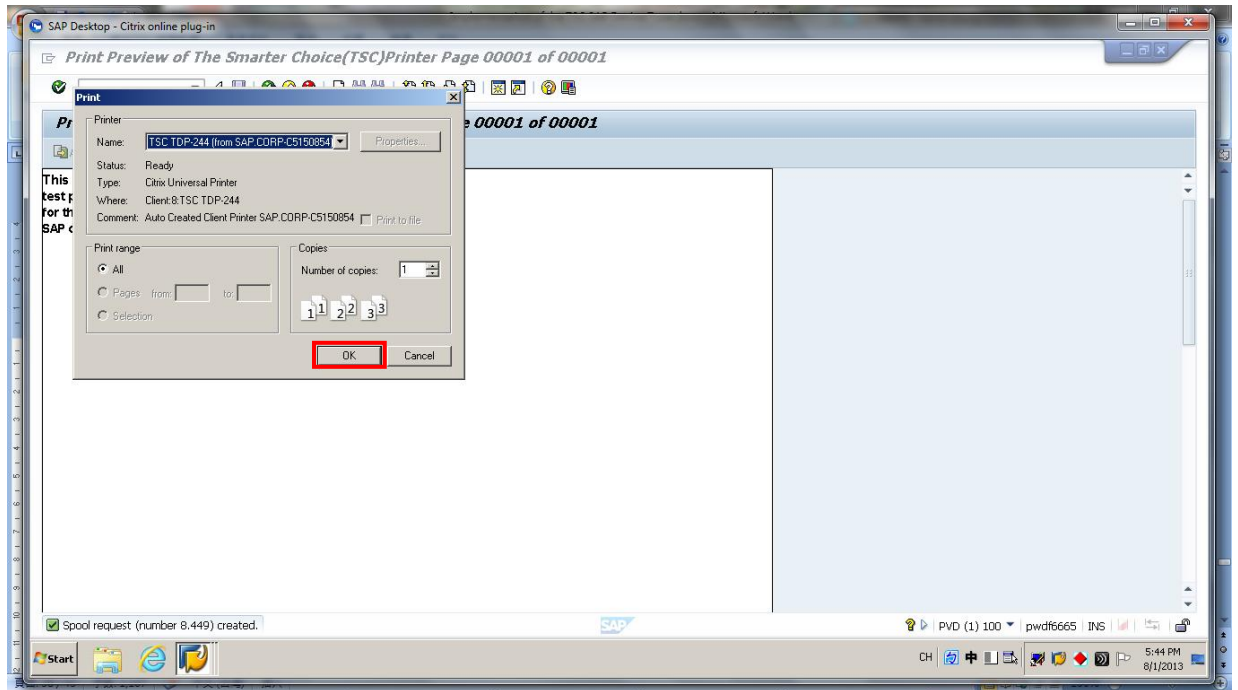


Go to the menu bar with **Text > Print**.

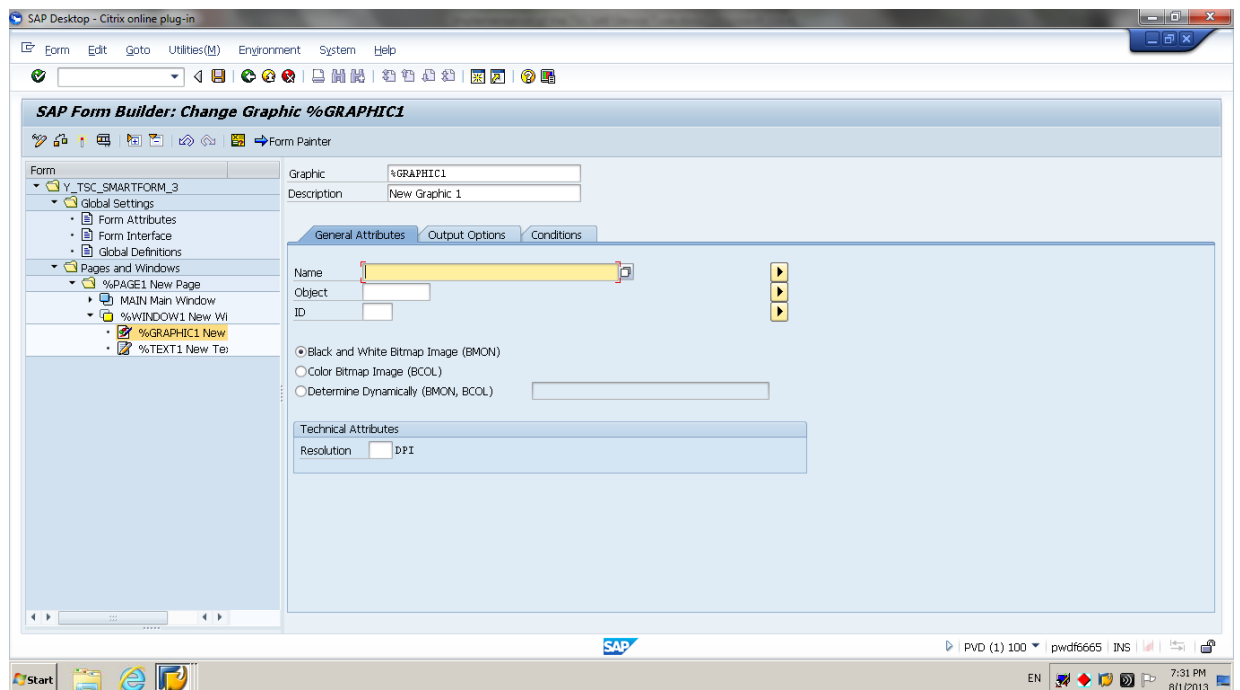
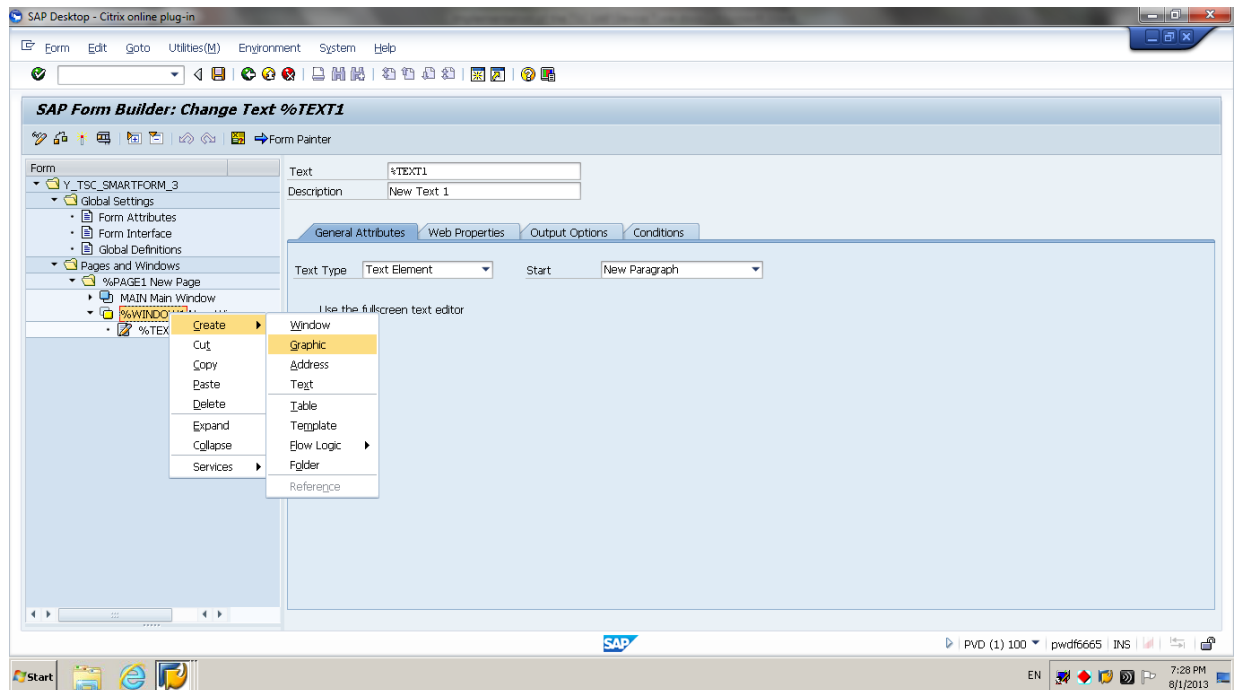




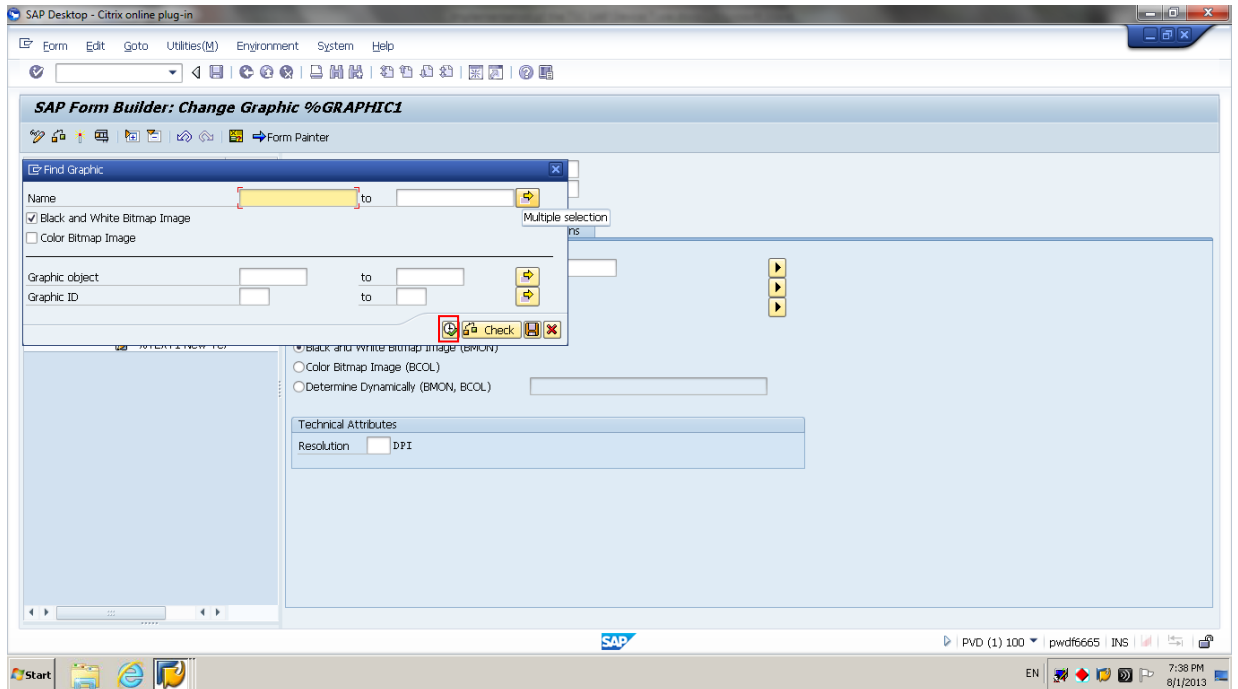
Click the OK button to print out.




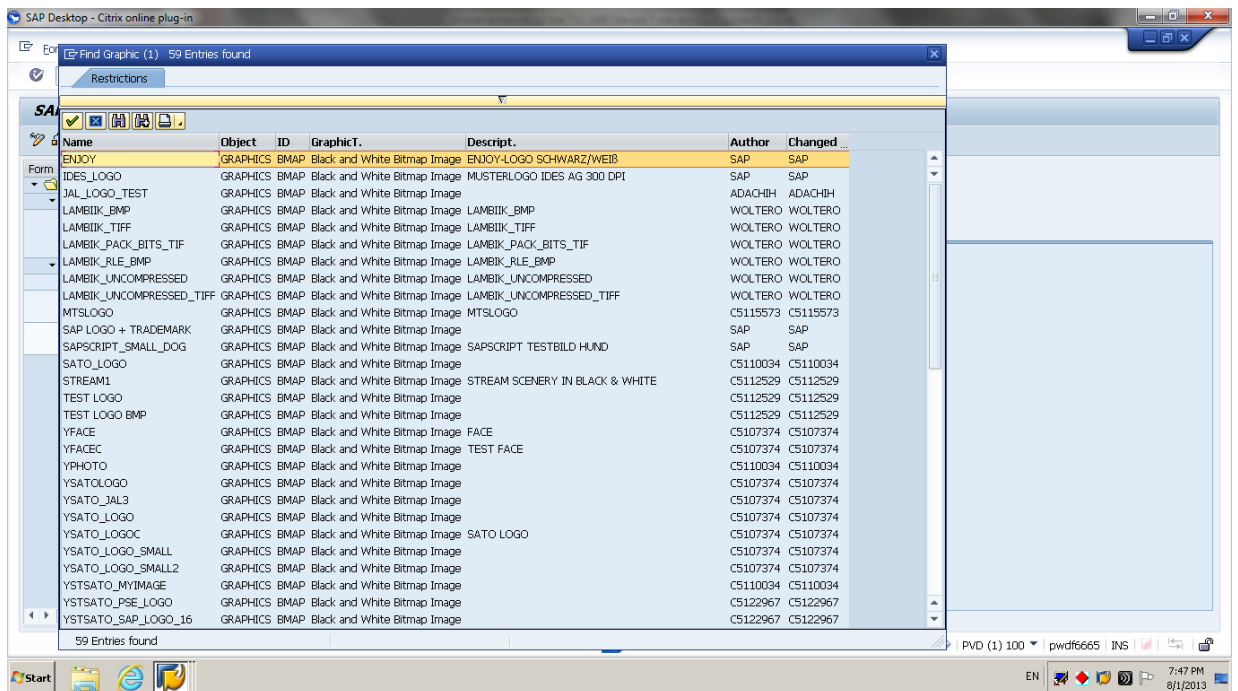
**Add a GRAPHIC into the WINDOW:** right click the folder of (%WINDOW1 New Window 1) and select the Create>Graphic to add a new GRAPHIC window.



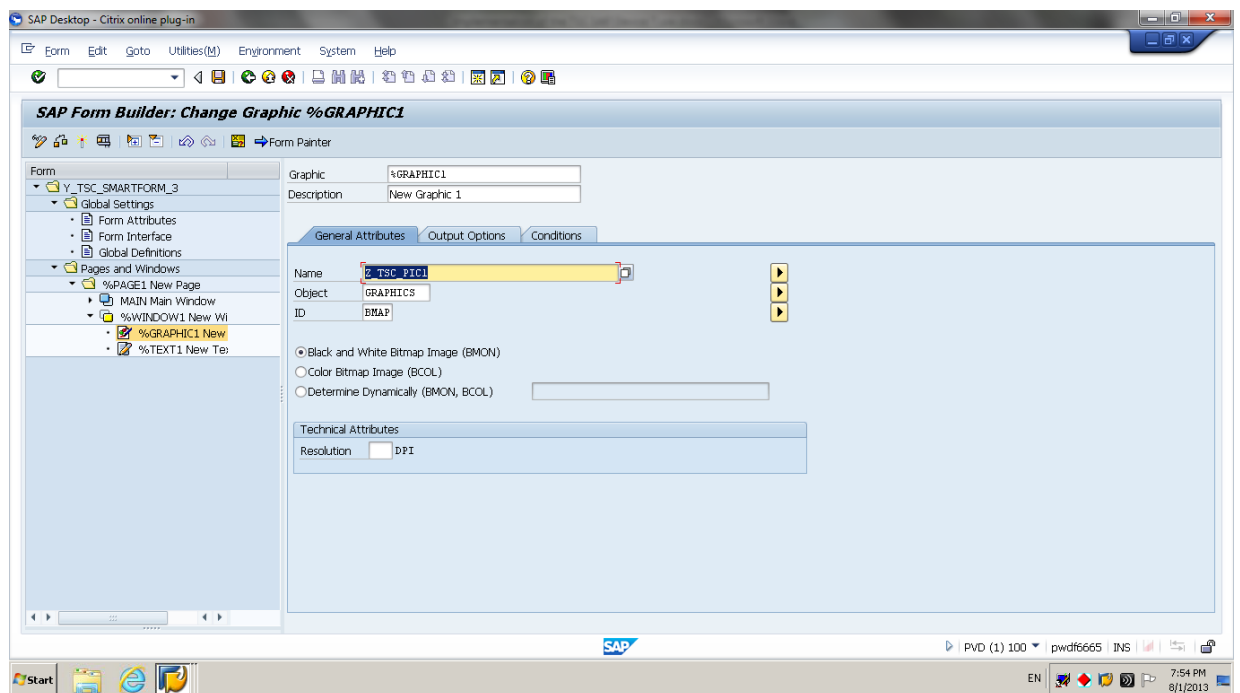
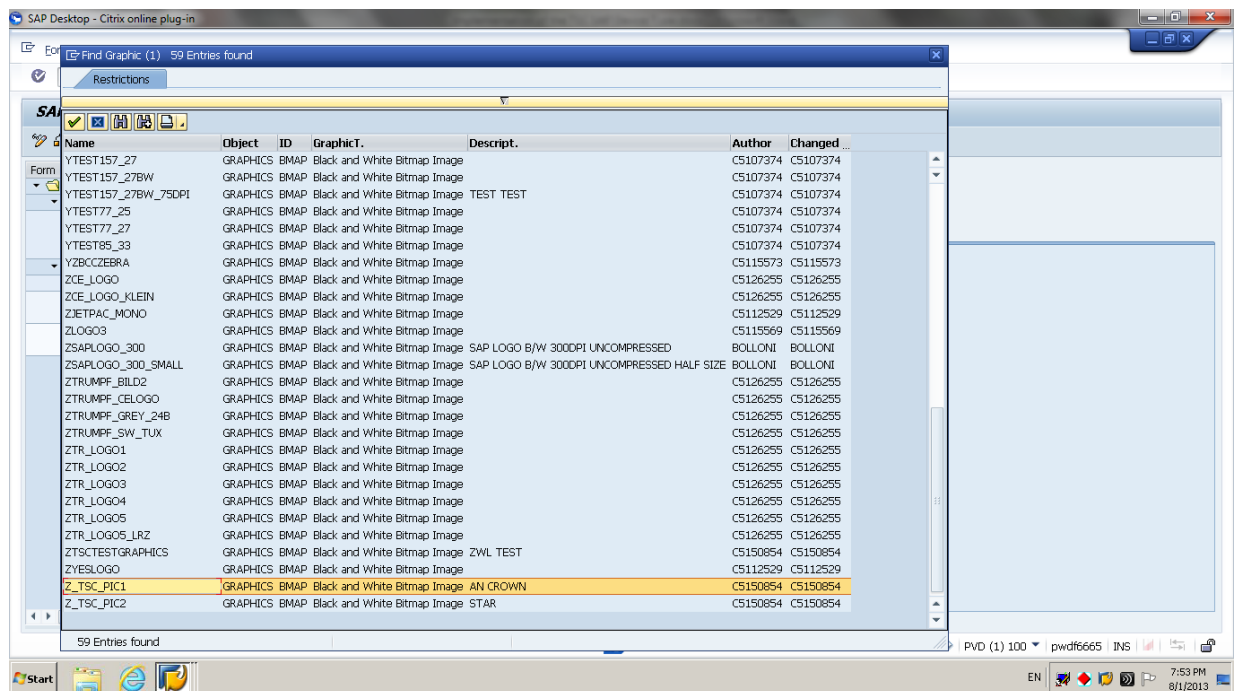
Click  (Find) button next to the graphic Name field to open the Find Graphic dialogue.



Click  (Execute) button to show all of the graphics.



Double click to select the desired graphic.



The rest steps are the same as TEXT printing.

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