Label Printing from SAP (ERP) System using SAPscript Technology

This document is to show how to print the label using SAPscript. The flow is: generating the .ITF file, uploading it to SAP system and sending the data from the SAP system to the printer in order to generate the label afterwards. The printer must have set the SBPL standard code to "Disabled" in CL4NX's application settings and the all "/ ", "* "and "= "characters must remain in the .ITF file when sending the data from SAP. The above mentioned characters must be removed when printing the .ITF locally (for example from All-In-One Tool). The SAPscript technology provides English characters printing so far.

1. PC side – generating the .ITF file

Open any .LBL file, containing keyboard input variables, by the NiceLabel Pro (V6). Each variable must be defined as a SATO Font as circled below. Please make sure that the selected printer at this point is the same as real one used to print the data out from SAP – you can select the printer by double clicking the form.
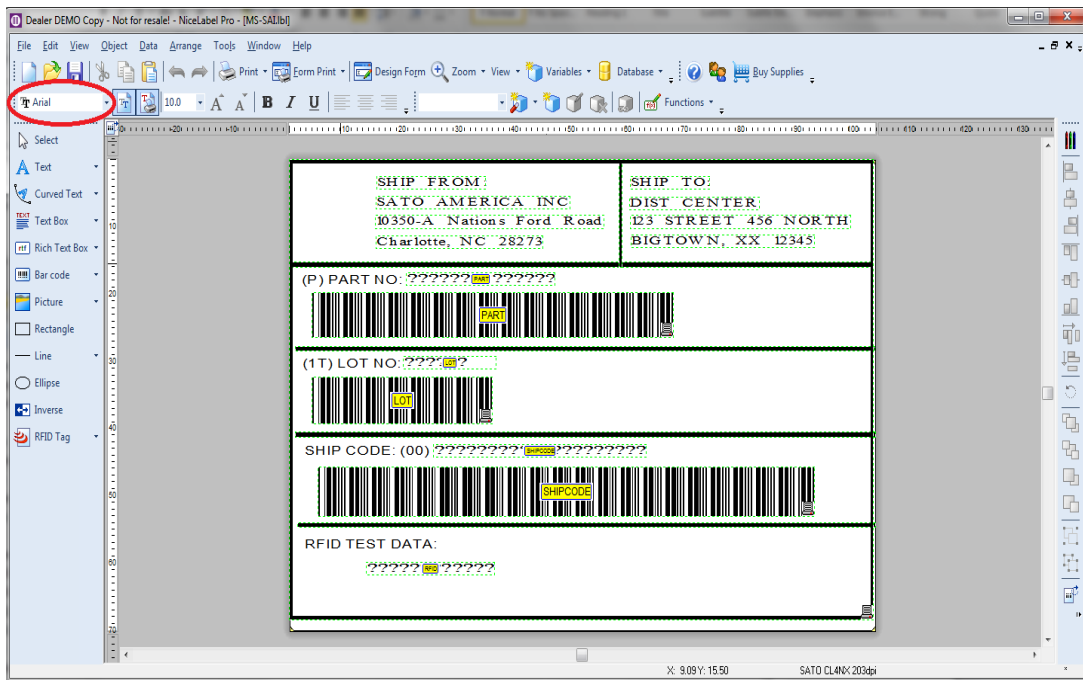

Note: NiceLabel Pro (V6) edition has EOL and the end of support will be by 31 Dec 2018.

Select "Save"->"Export to SAP" from the "File" menu
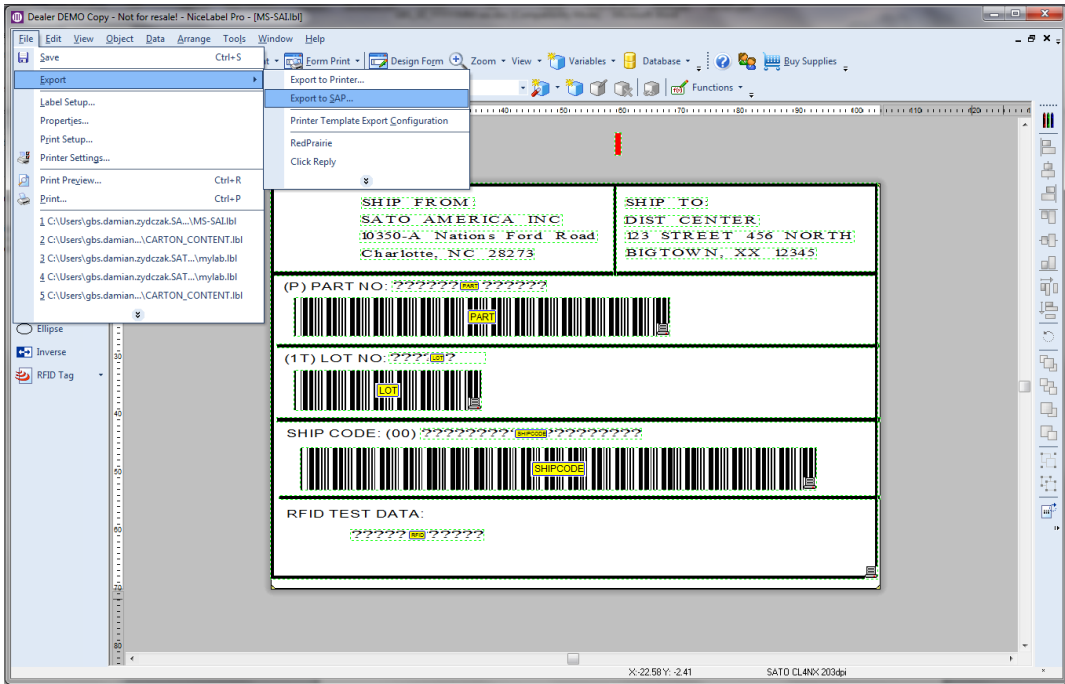
Make sure that "SAP R/3 Variable Name" positions (in real life, in order for SAP to pass these values, the SAPscript's form must have some changes implemented in ABAP language) are filled out accordingly, press "OK" button and save the .ITF file in the location.
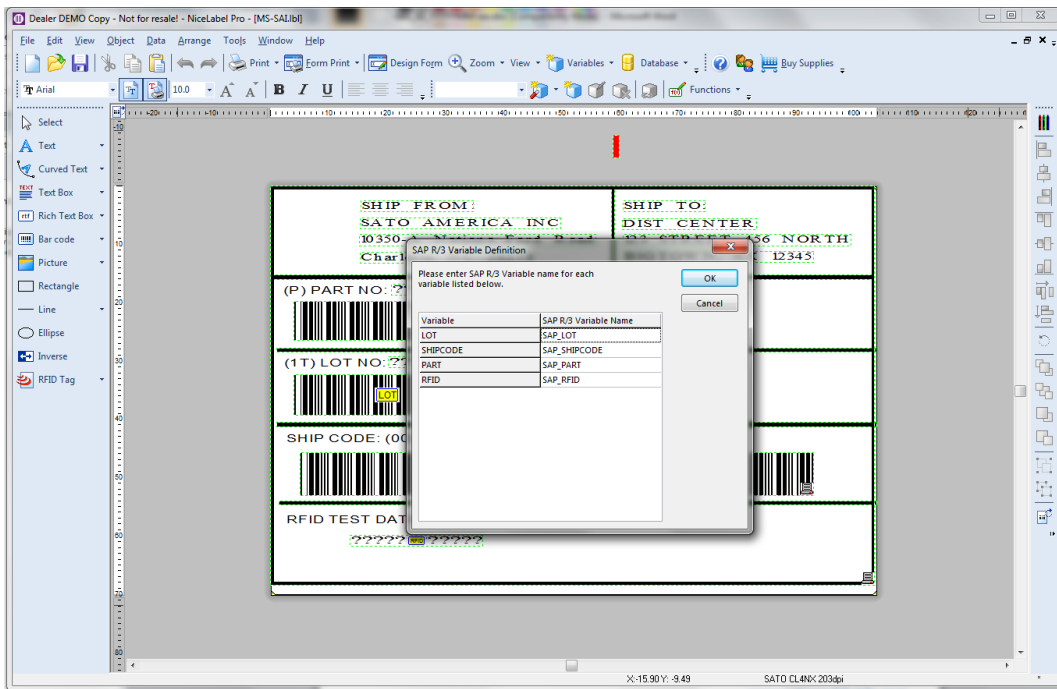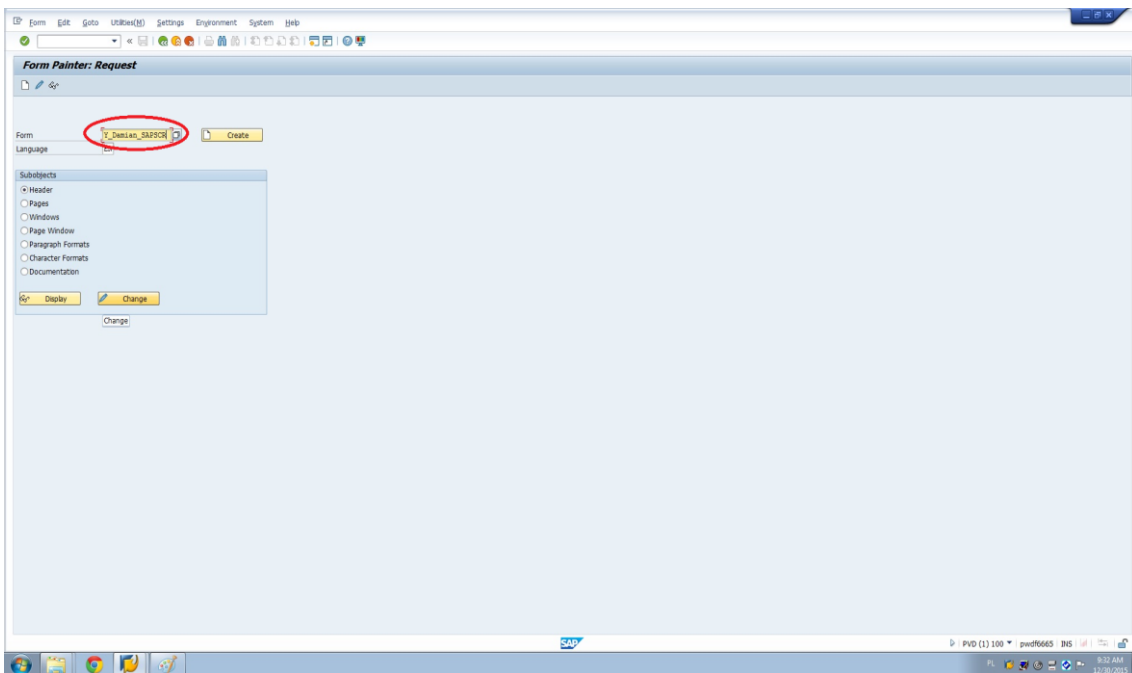
2. SAP (SAPscript) side – the generated .ITF file is now being uploaded to the SAP system.
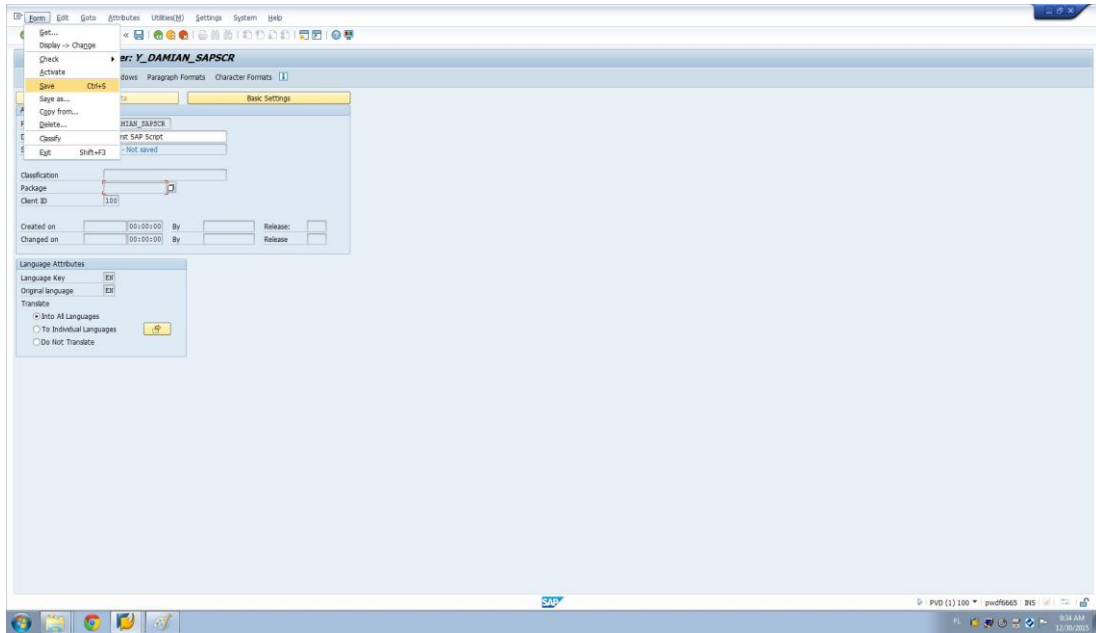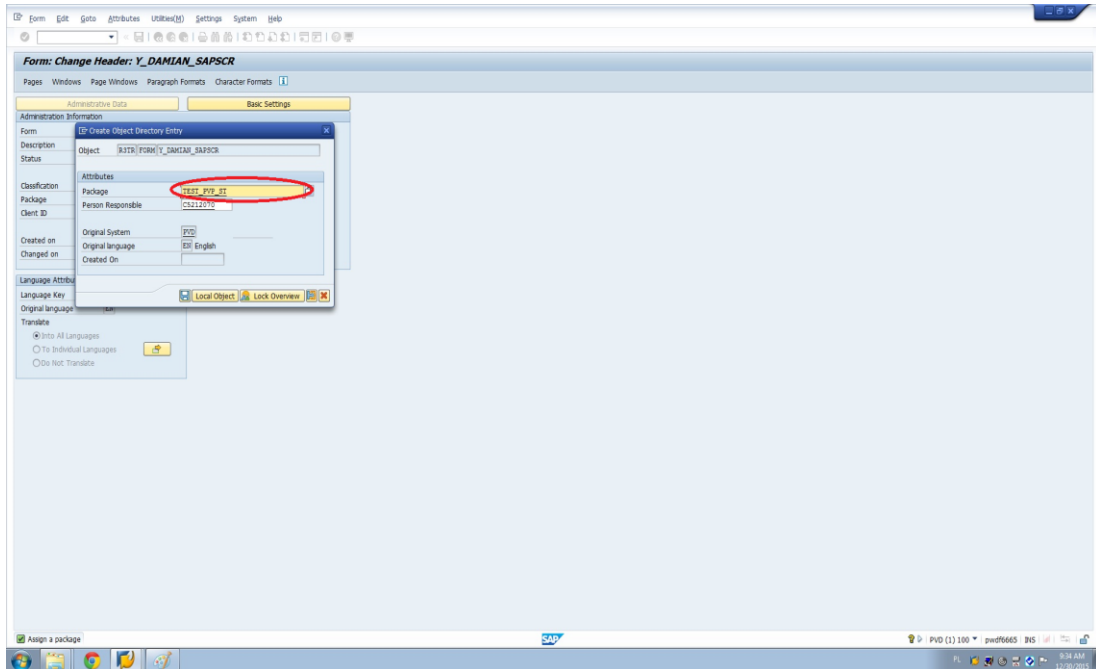
Please type "SE71" in the box below.
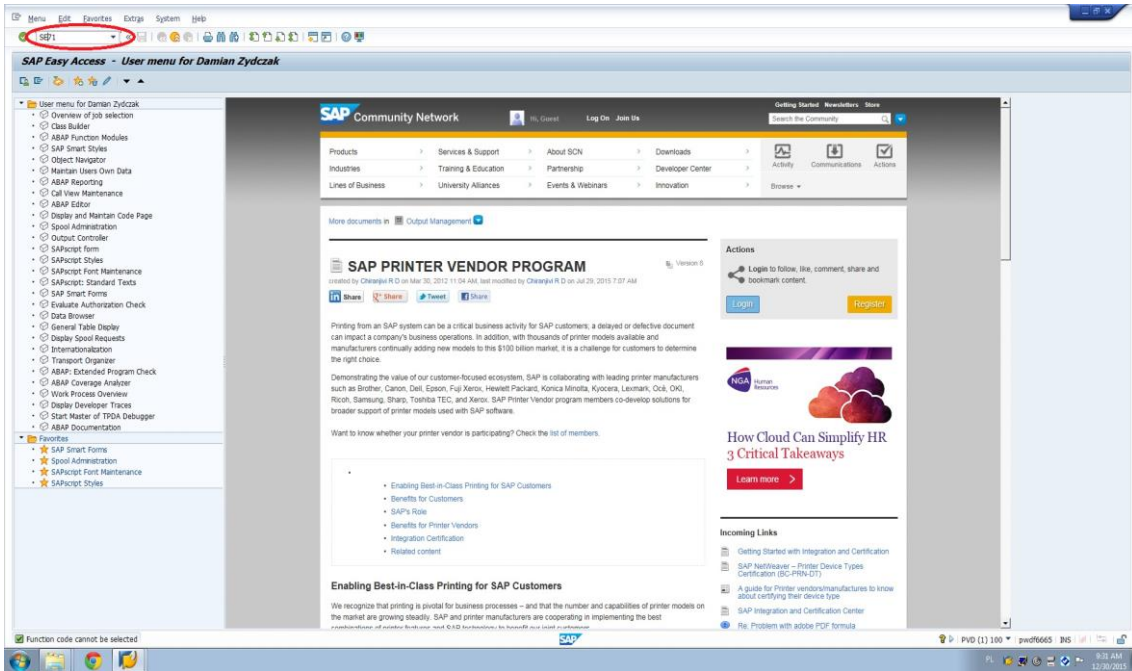
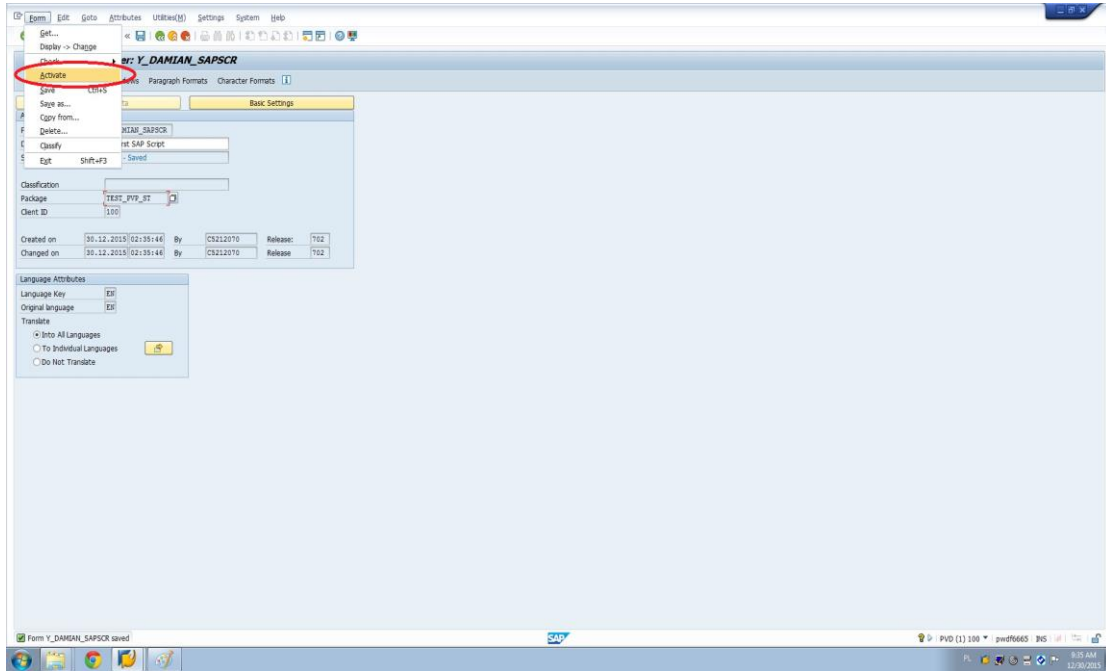Type your SAPscript Form name, select the language in the form field.

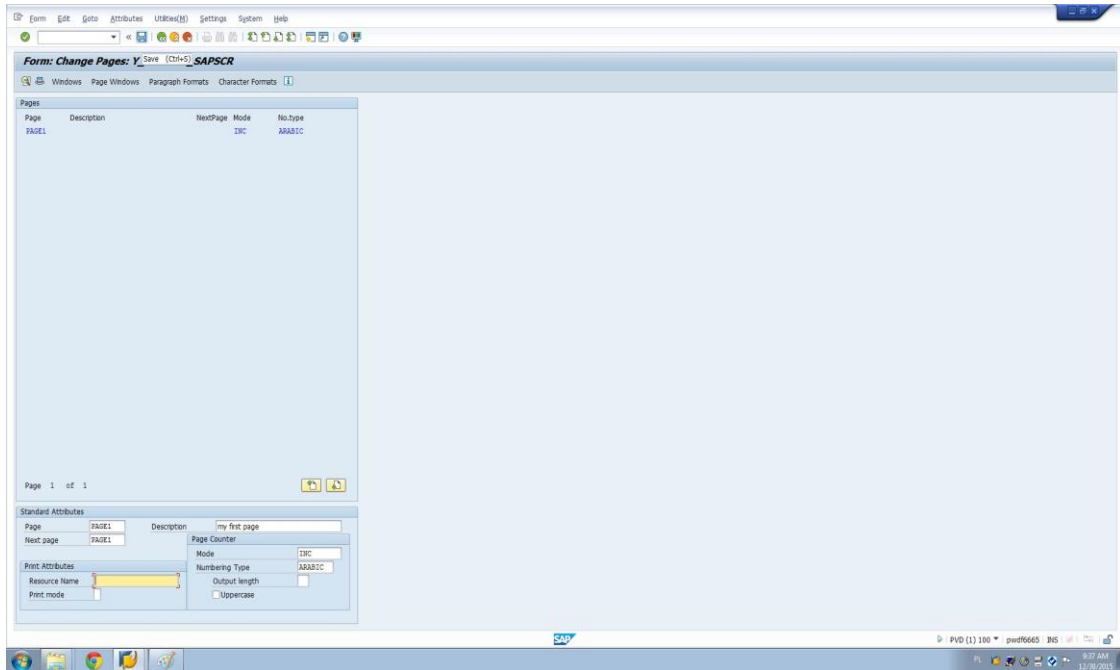Please save the newly generated form.

Please key-in an appropriate package into the Package input text field and save the changes.
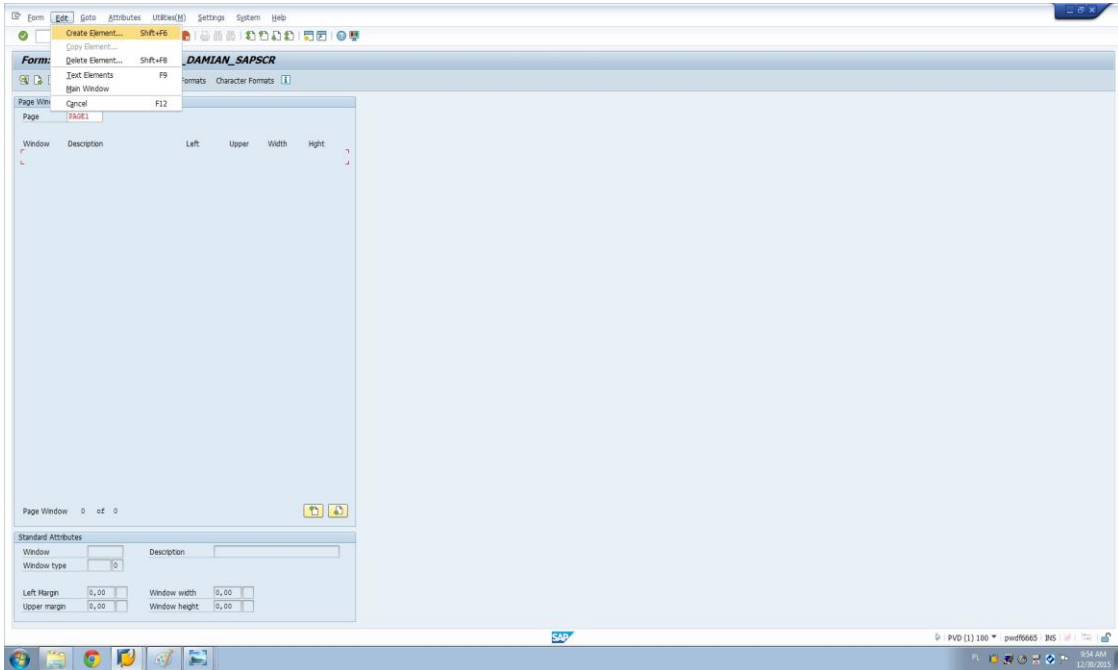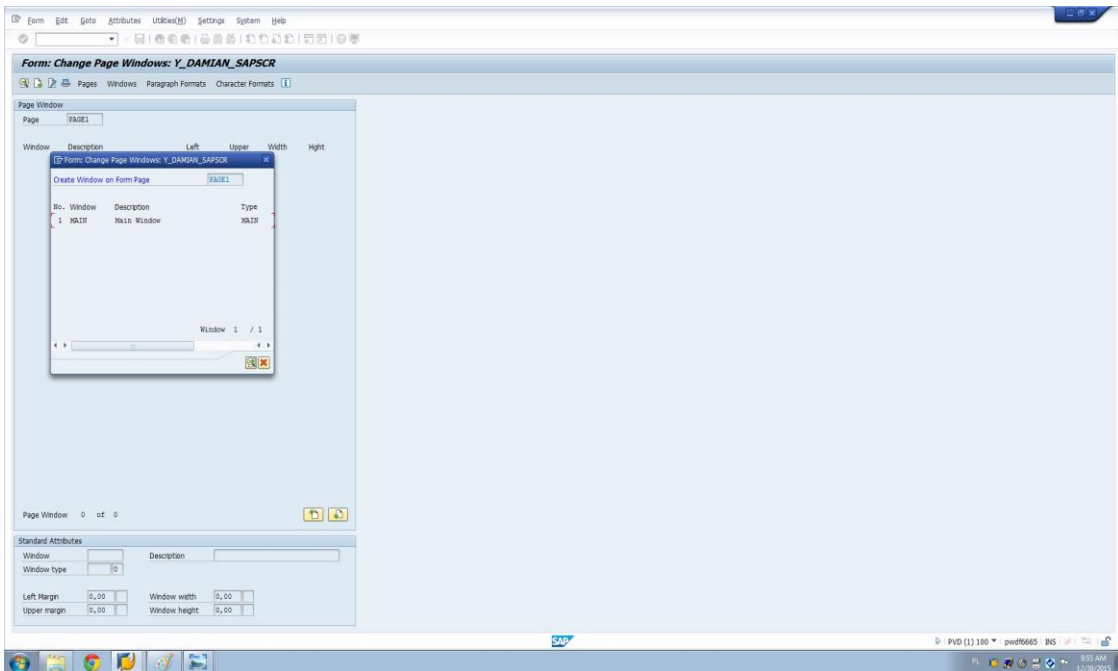
Activate the Form.

Click on "Pages" below the Form name, fill out the attributes in "Standard Attributes" as the below screen indicates and save it – t0phe PAGE1 has been created.
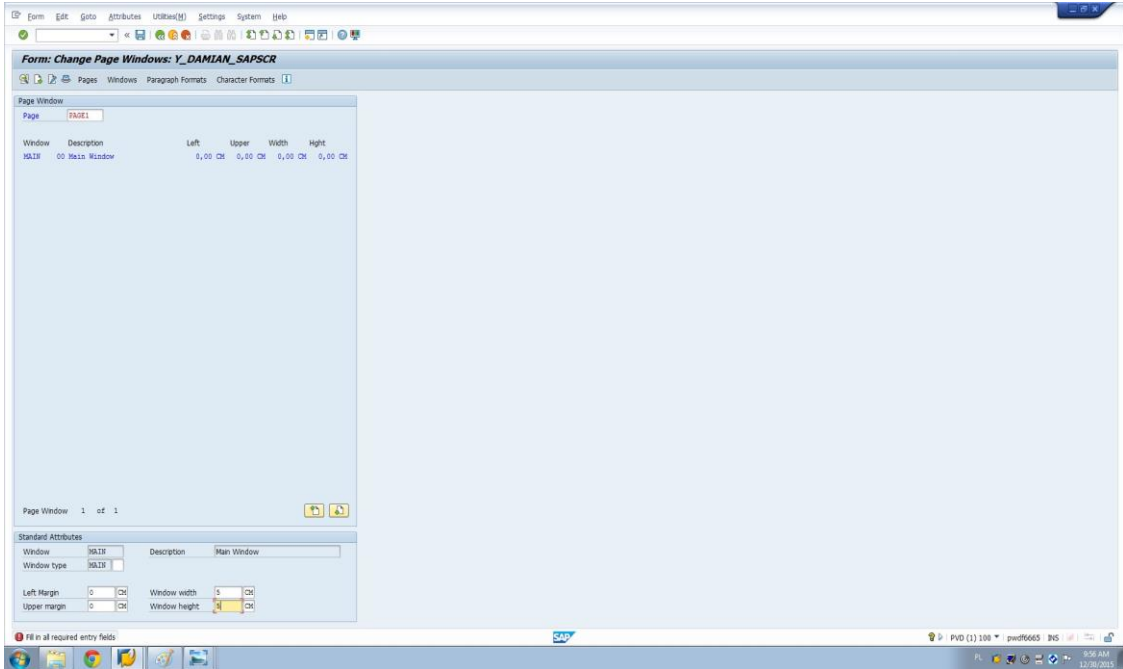
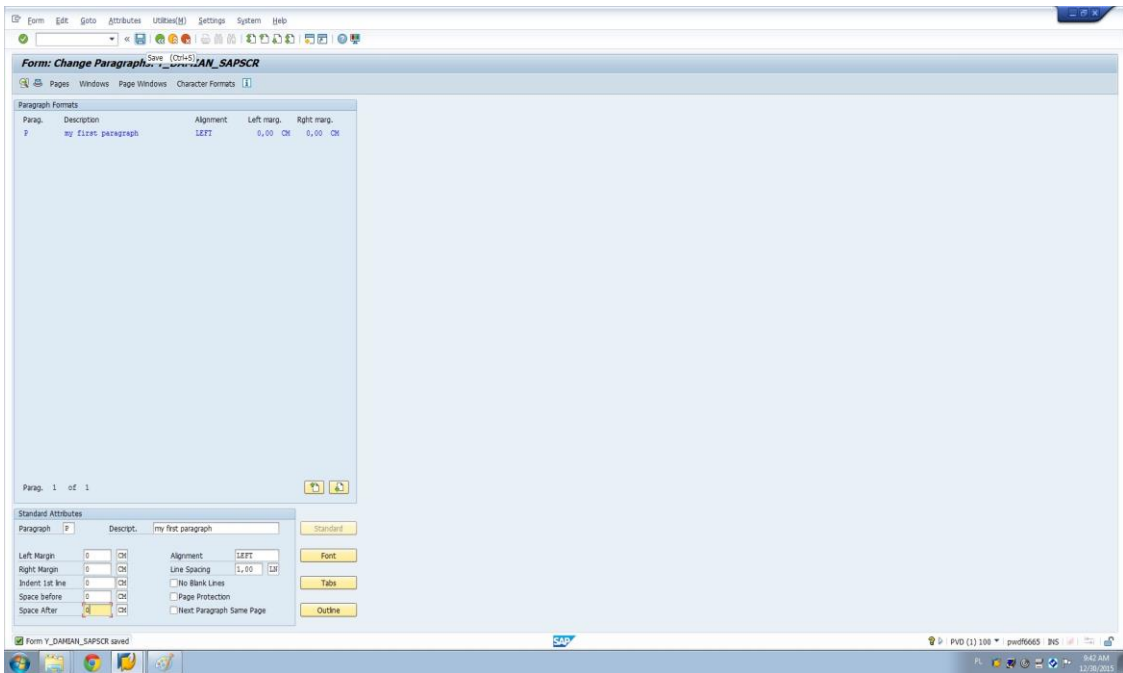Go to "Page Windows" and choose "Create Element" like below.

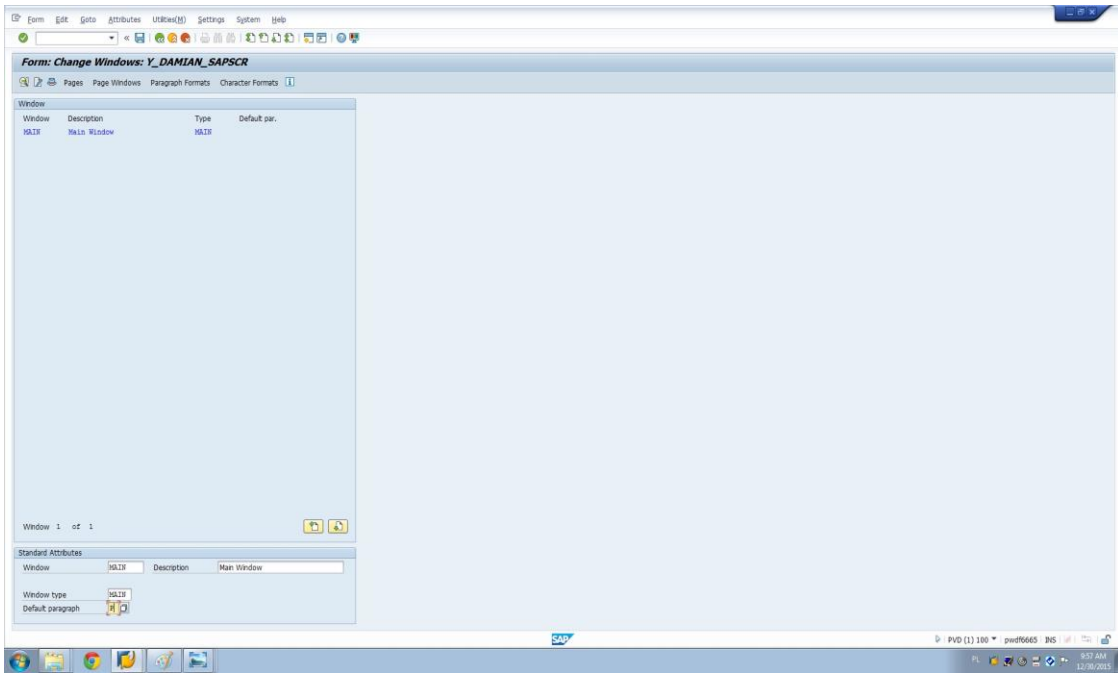

Accept the pop-up window

The blue element has been created as the change is visible below. Please fill in the "Standard Attributes" and click the save icon.
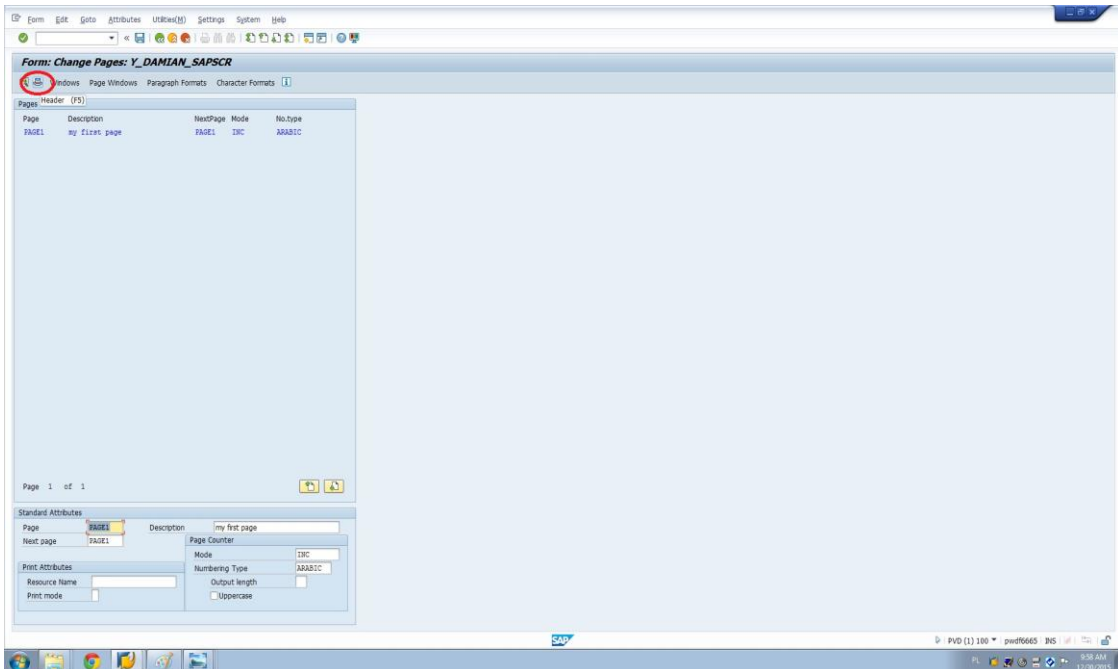

Go to "Paragraph Format", fill out the "Standard Attributes" and save the changes indicated below.
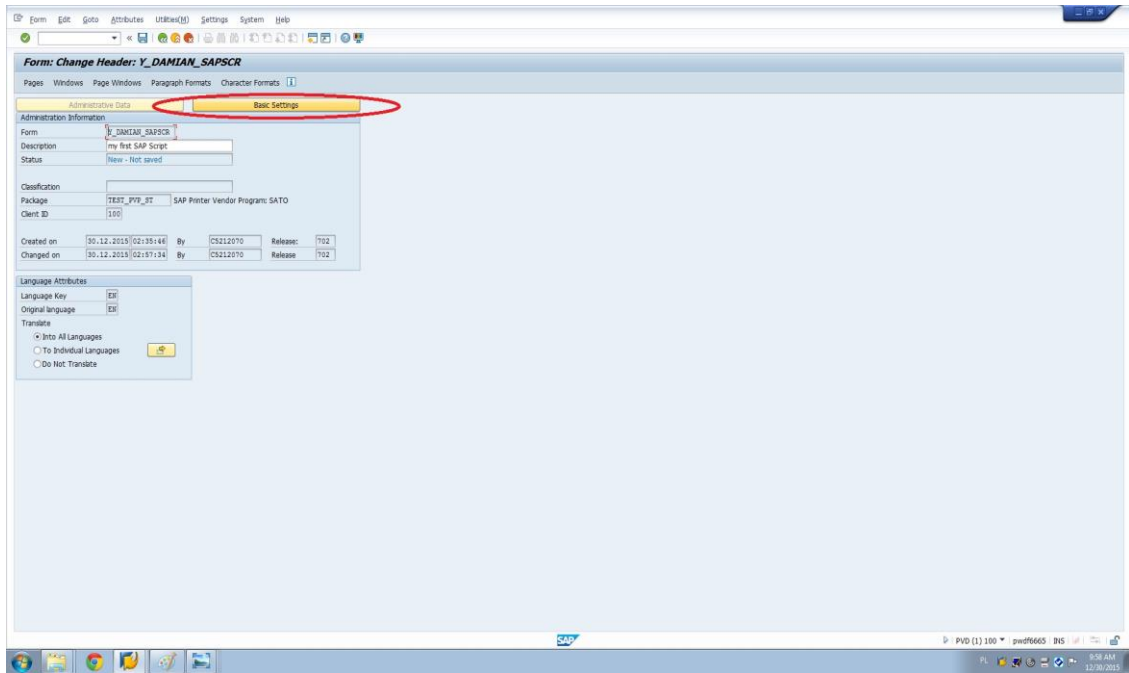
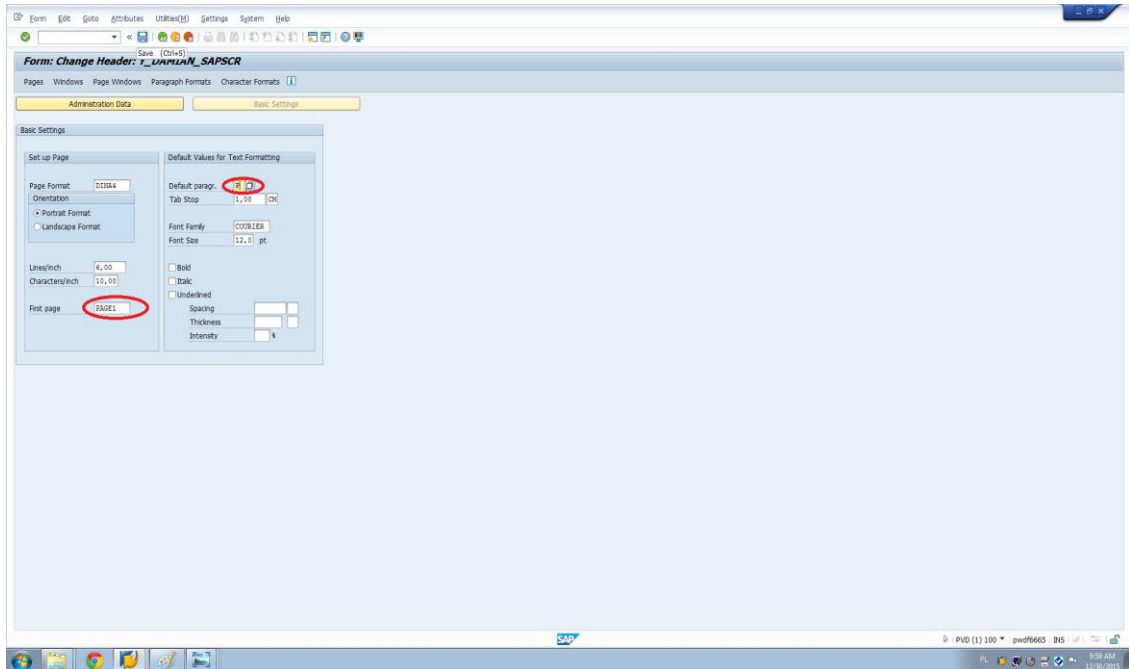Go to "Windows", fill out the "Standard Attributes" accordingly and save the changes.
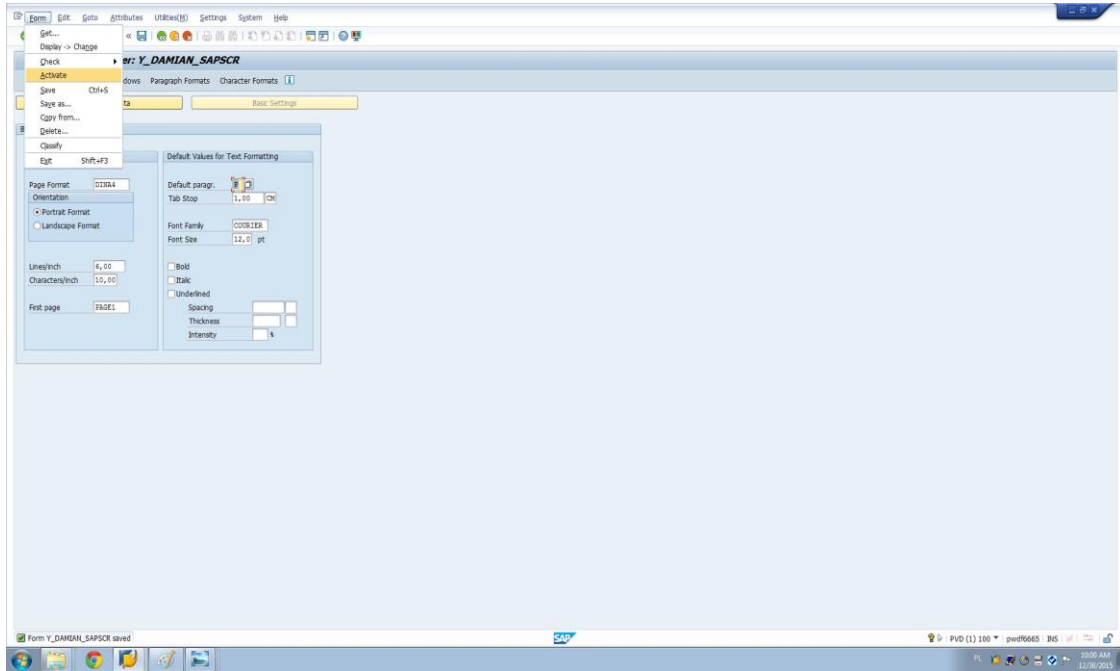

Click on the header icon.

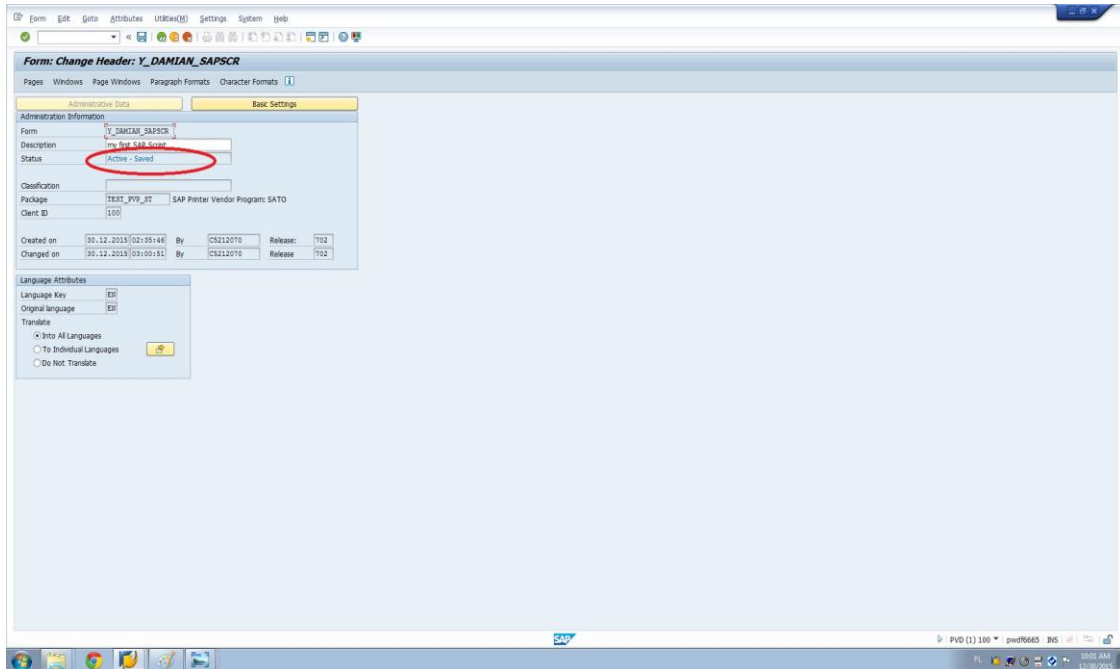Click on "Basic Settings"

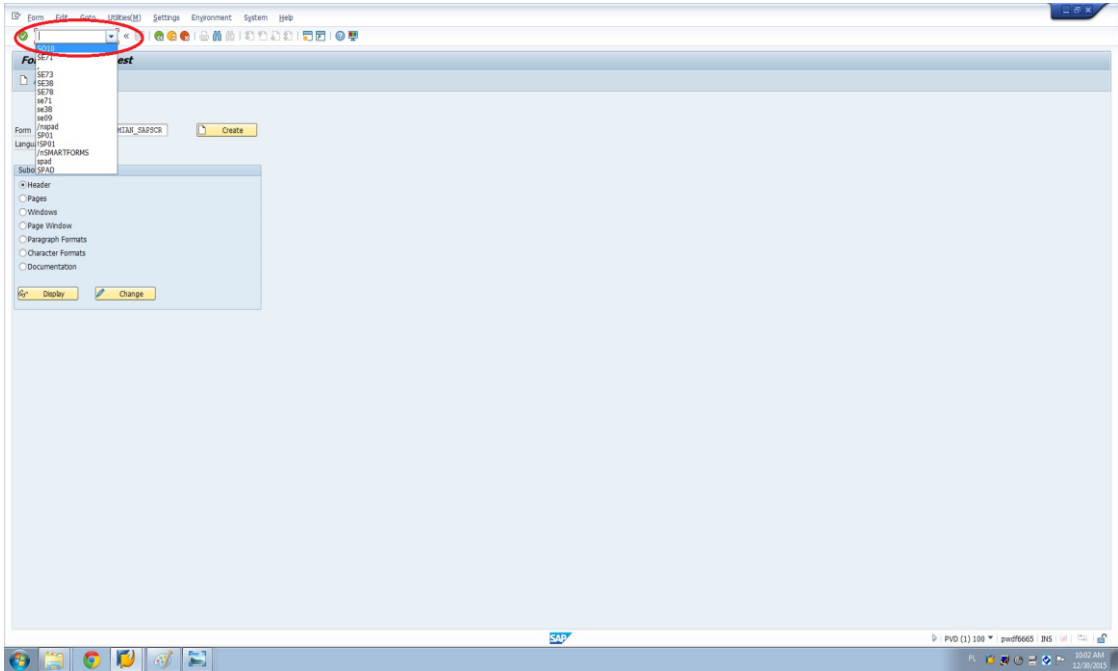Fill out the parameters, change the language accordingly and save it.
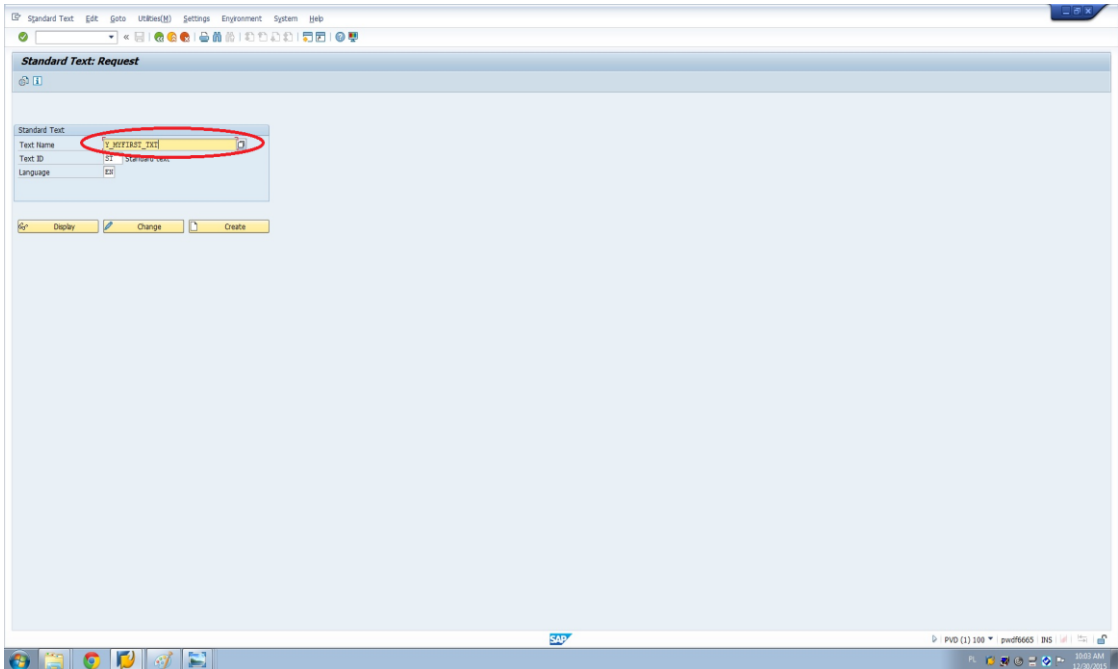
Activate the Form.
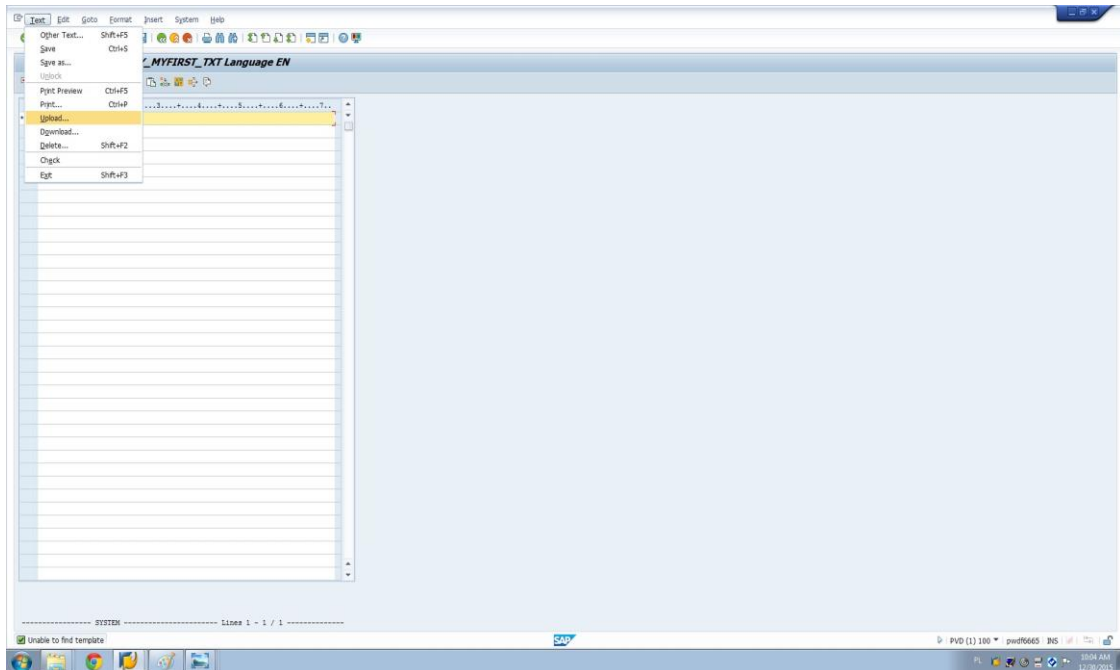

The result of it is noticeable.
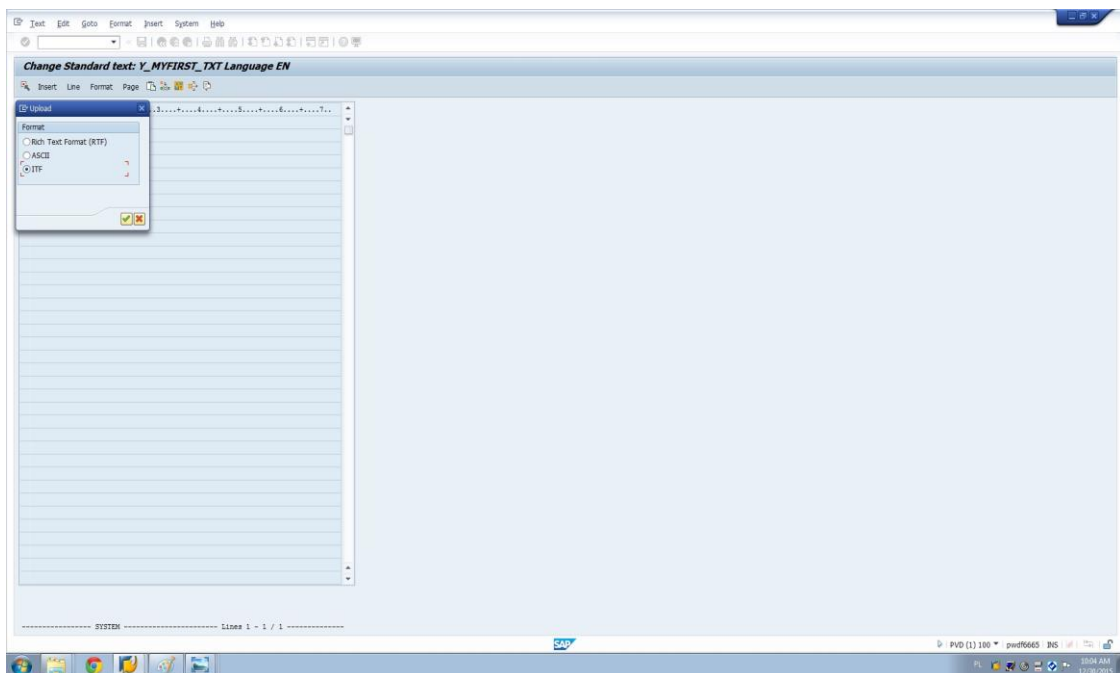
Please type "SO10" in the box below.

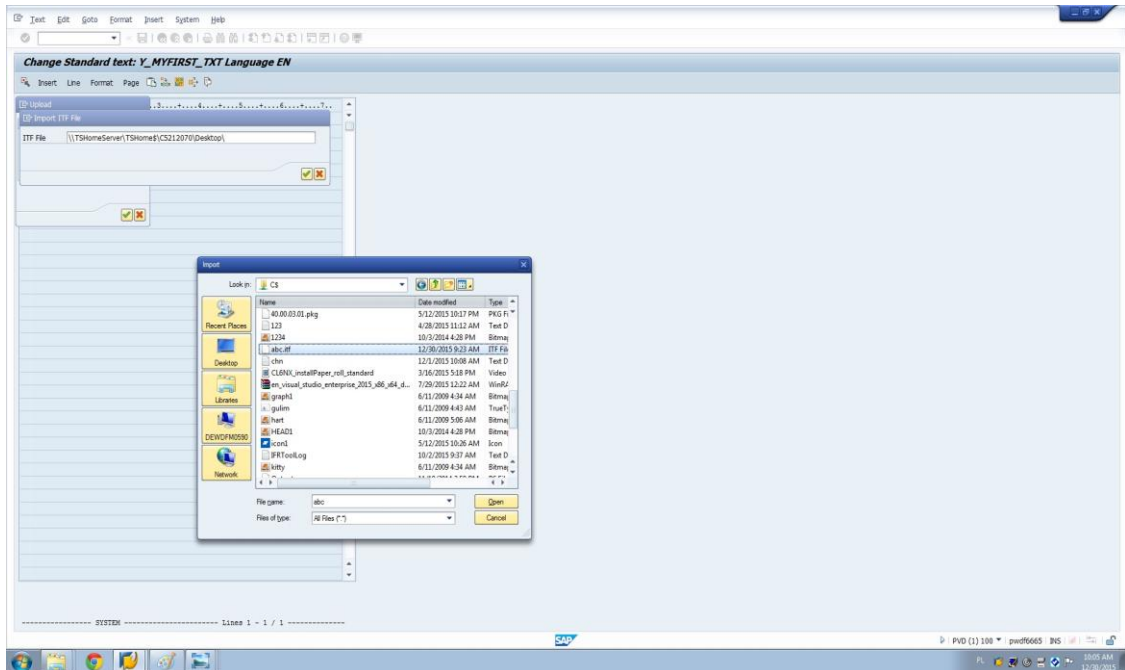Fill out the text's name and set up the language.

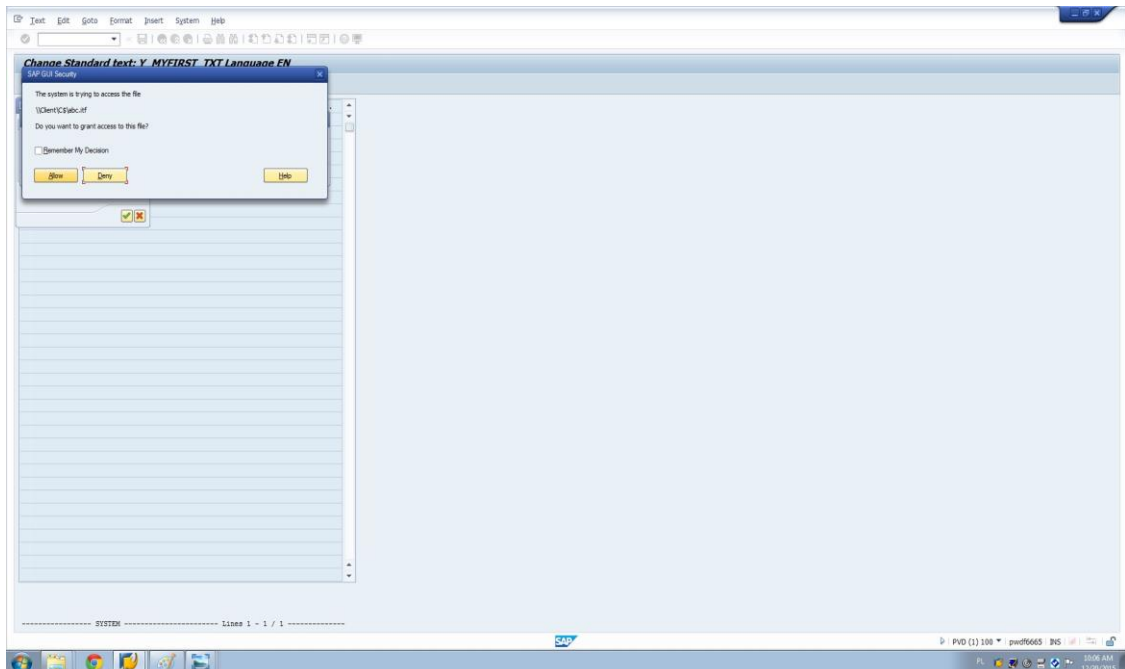Upload your .ITF file created in the first section of this document.

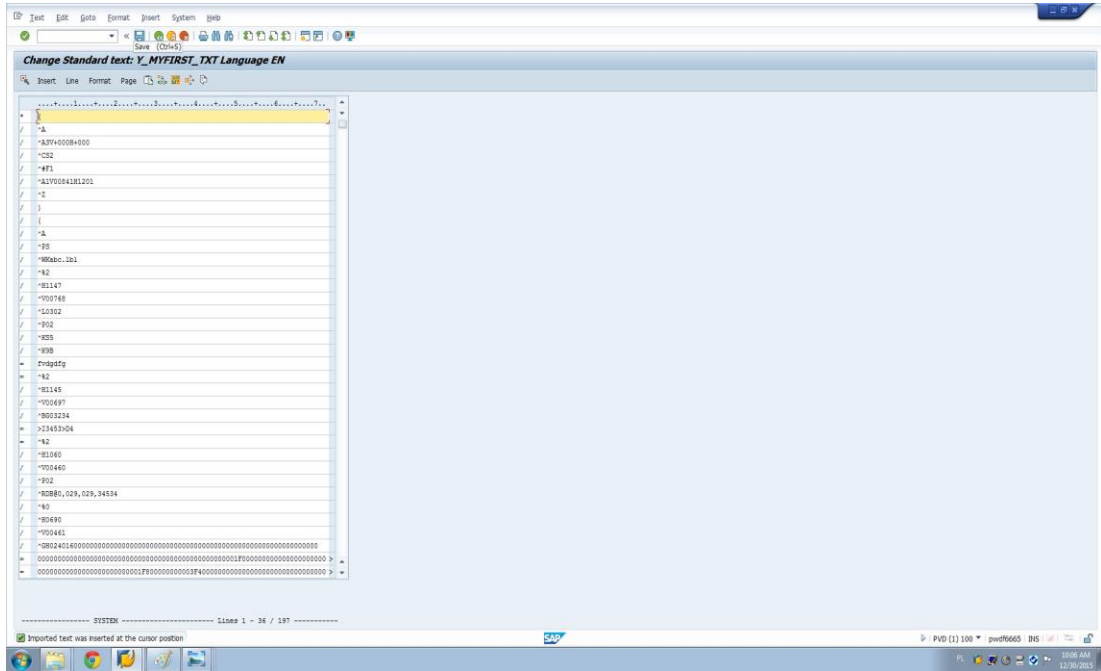The .ITF selection must be considered.
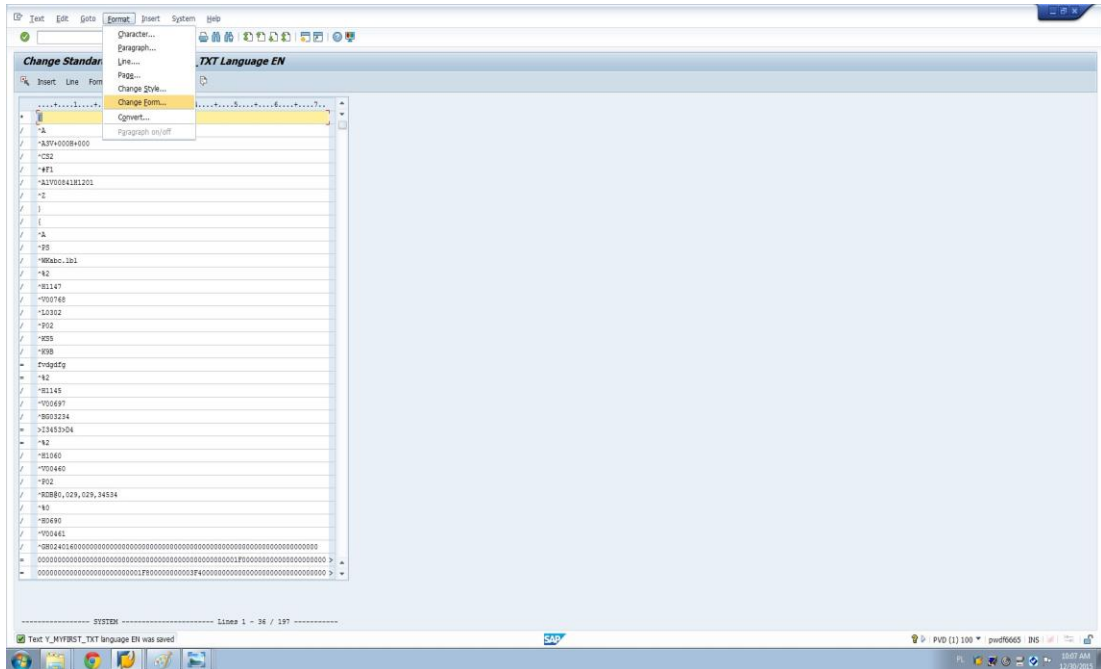
Selecting the .ITF file.

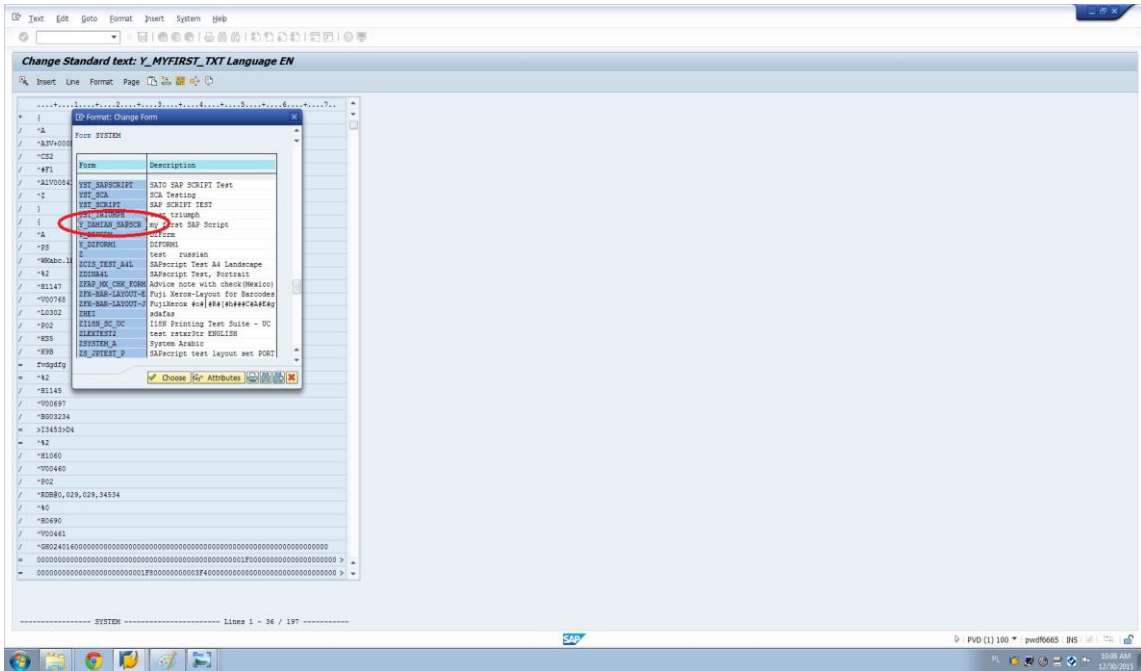
Press on the "Allow" button.

The .ITF file is now consumed what is visible below.
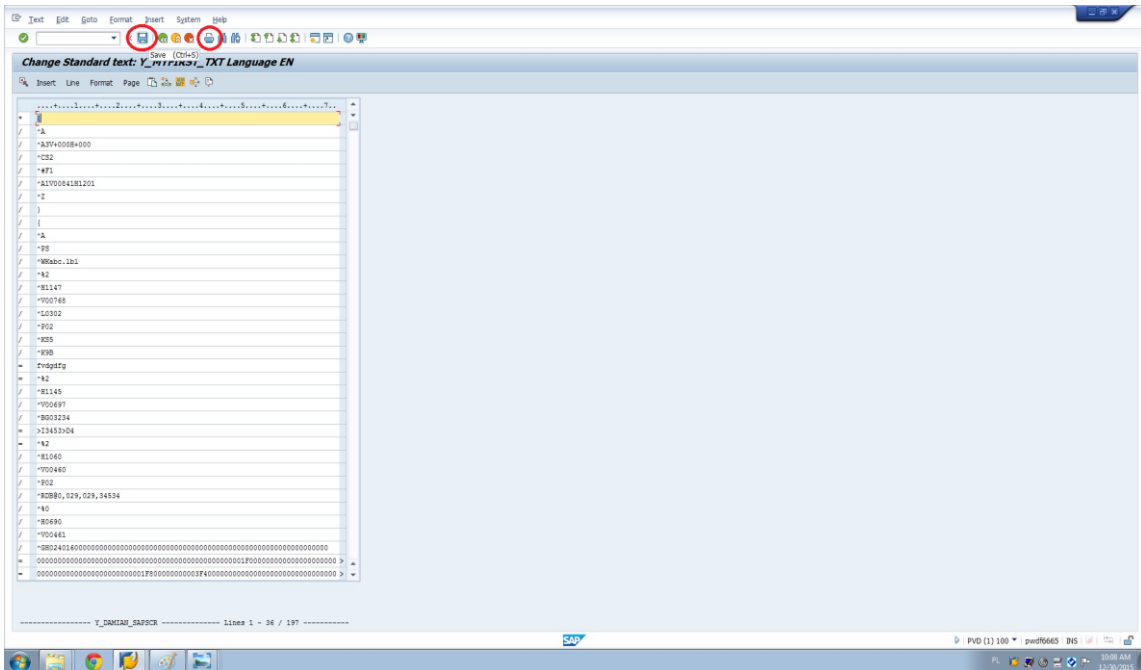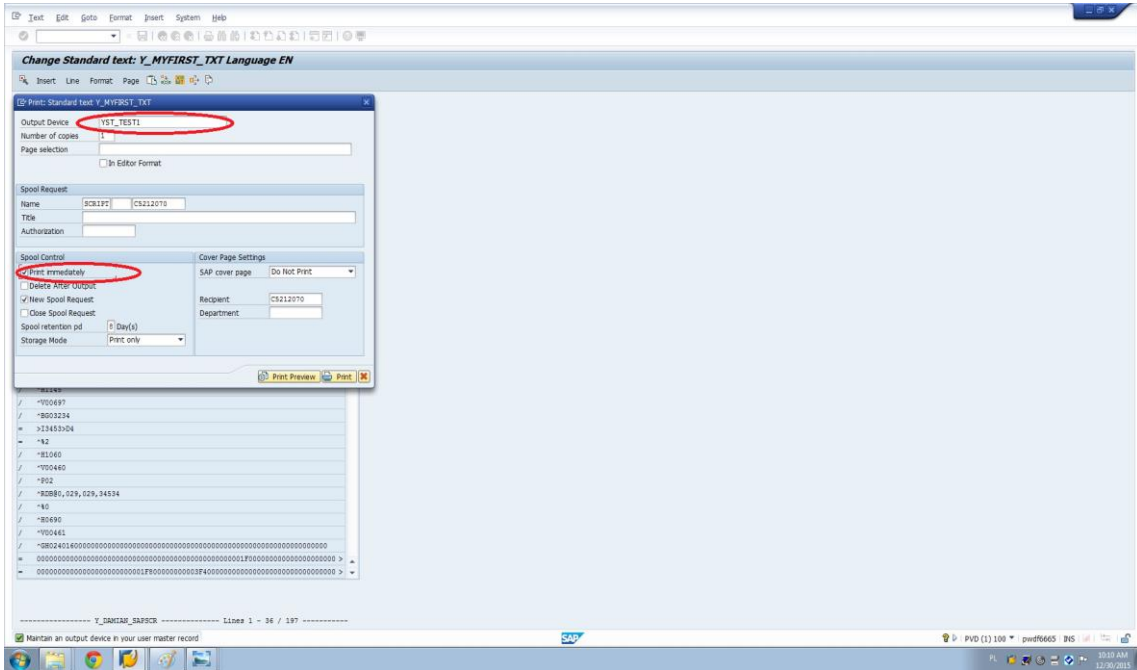

Go to "Format" and select "Change Form".

Now it's the time to connect the form to the text. Select the Form you have just created.

Please save the changes and press printing icon.

Please select appropriate output device, check "Print Immediately" option and select correct printer in order to generate the label – the label are being produced at this stage.

You have to go "Spool Administration" in order to select a correct device type when working with SAPscript technology before printing the data from the SAP
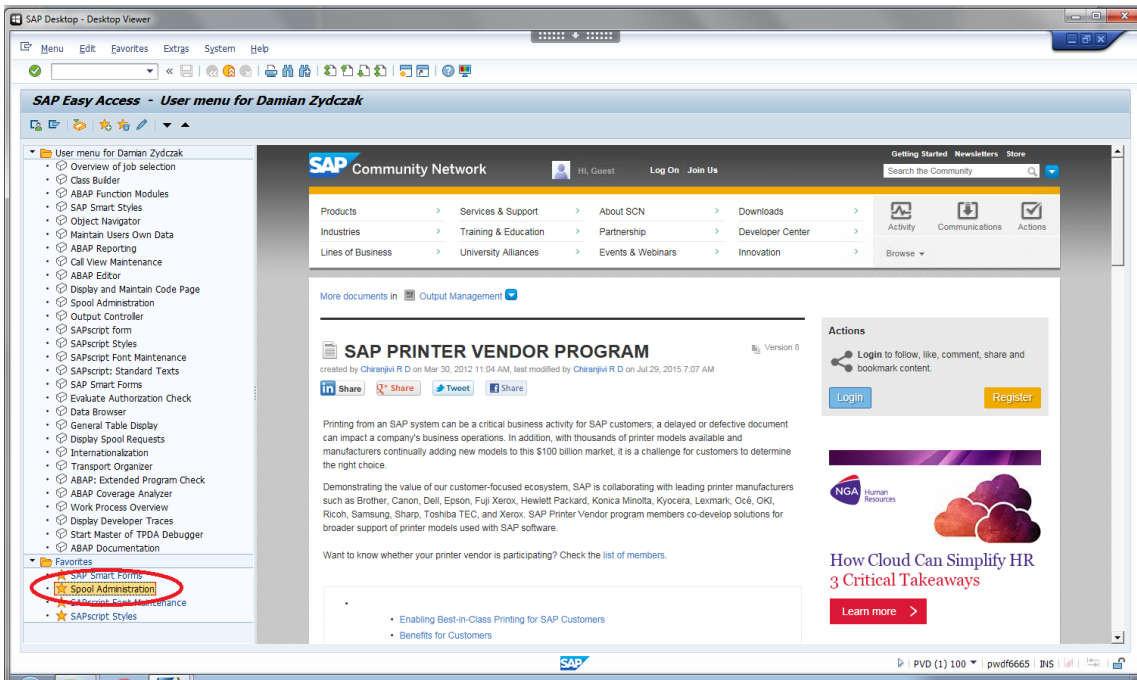
The details are below. Choose the full admin option and set the character set (language).