

Applies to:

SAP IS-Utilities 4.6 and above.

Summary

This article explains the steps to create a Move-in letter using Print Workbench and SAPScripts.

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Created on: 3rd March 2008

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Table of Contents

Introduction to Print Workbench	3
Form Classes	3
Application Forms	3
Advantages of Print Workbench	4
Scenario.....	5
Related Content.....	12
Disclaimer and Liability Notice.....	13

Introduction to Print Workbench

- Print Workbench is the central development environment for creating standardized outgoing correspondence.
- It is a tool used for printing in IS-Utilities.
- It offers an improved means of creating forms by making data retrieval flexible and easy to understand.

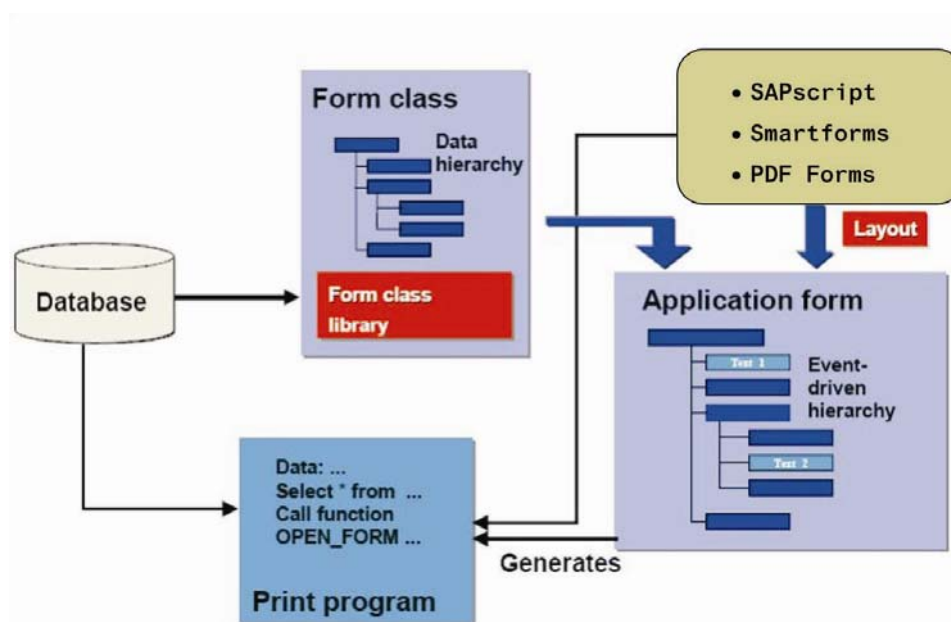
The Print Workbench is subdivided into following sub-objects :

Form Classes

- Contains the underlying data hierarchy of an application.
- Contains detailed information about the data for an application.
- Contains a library of modularized access routines.
- Can be used by different application forms.

Application Forms

- Application forms are configuration objects. They integrate
 - Data structure defined in Form Class
 - Data Procurement
 - Form Logic
 - Form layout
- You can add your own data using user exits.
- Can choose between basic tools for creating form layouts – Smart Forms, SAPscripts or PDF Forms.



Advantages of Print Workbench

- Faster form design through flexible tools.
- Separation of data retrieval and layout design.
- Dynamically generated print programs.
- Maximum flexibility of forms through user exits.
- Is recommended for mass printing.

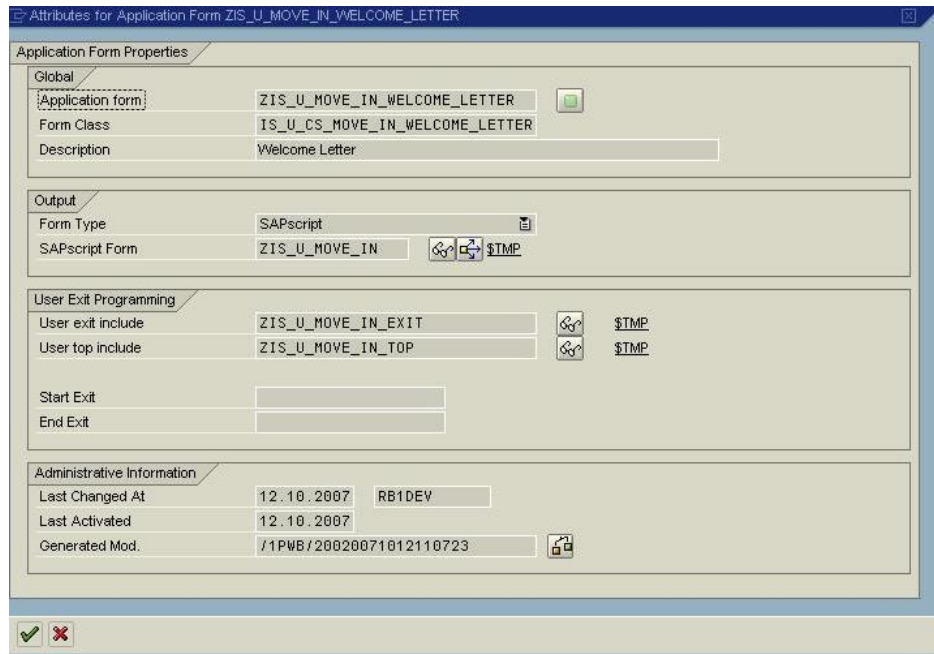
Scenario

Whenever a business partner begins using a utility service, i.e. move-in function is carried out, the utility company has to automatically create a Welcome letter / Move-in letter / Correspondence to be sent to the customer. For this, application form of Form Class IS_U_CS_MOVE_IN_WELCOME_LETTER has to be created in Print Workbench.

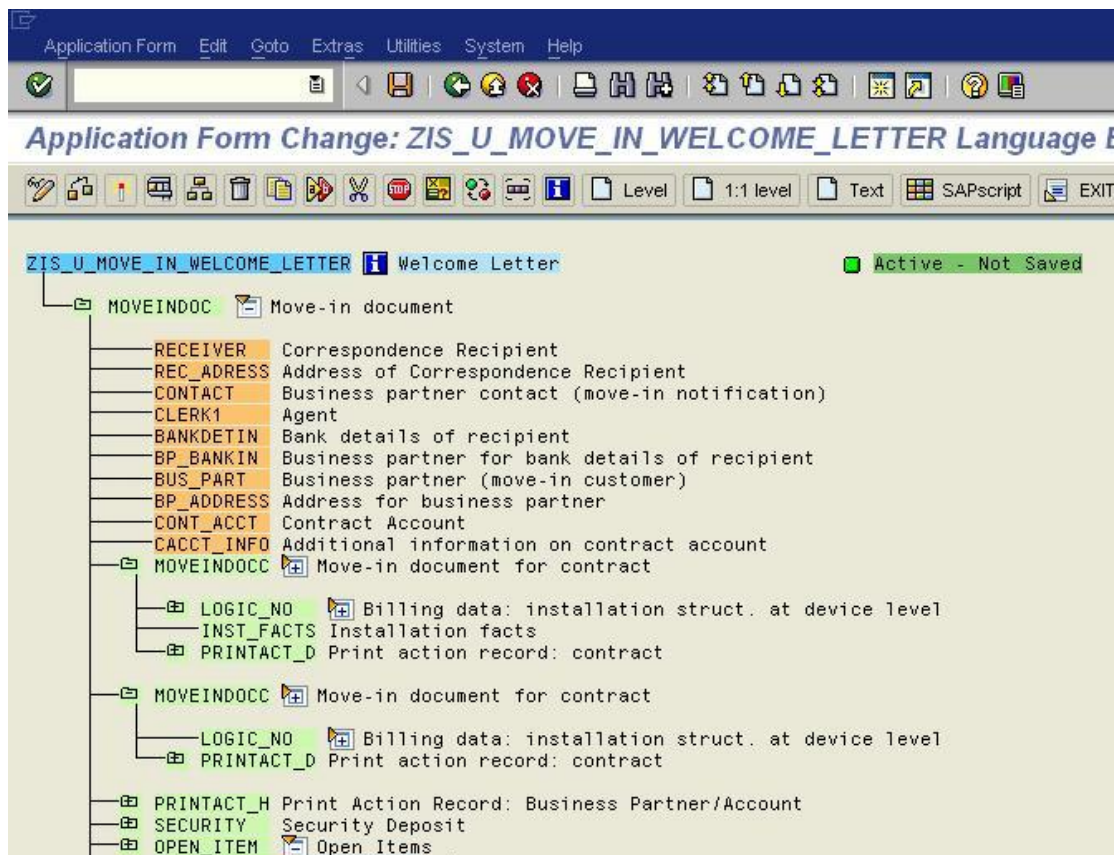
- Use Form Class IS_U_CS_MOVE_IN_WELCOME_LETTER which is a standard Form Class provided by SAP for Move-in Letter.



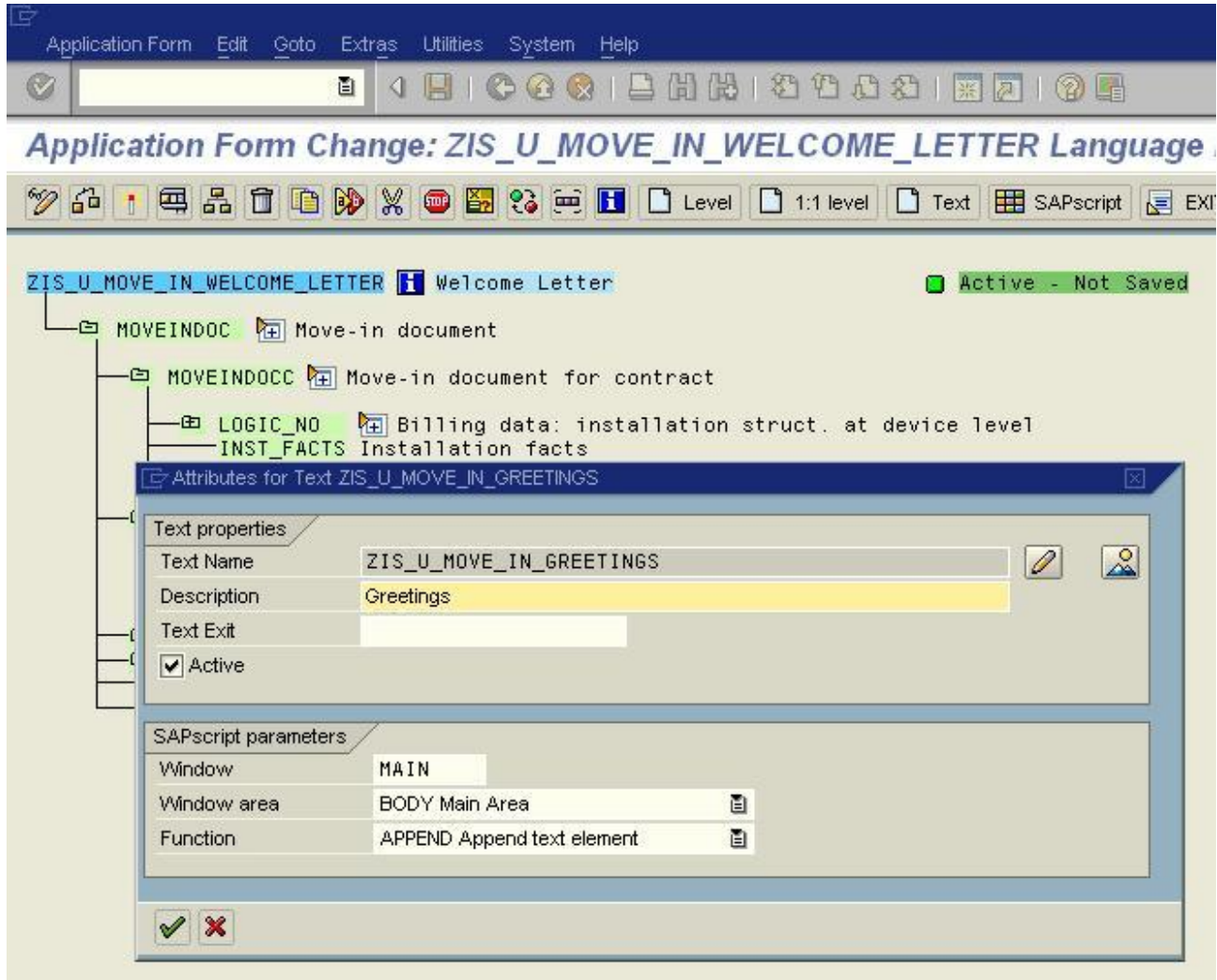
- Go to TCODE EFRM
- Create Application Form ZIS_U_MOVE_IN_WELCOME_LETTER.
- Layout of the welcome Letter can be created in SAPScript, SMARTFORMS or PDF based forms. We are using SAPScript Form ZIS_U_MOVE_IN in this example.
- Mention the User Exit Include and Top Include names you want to use for the Application Form. We are using Exit Include ZIS_U_MOVE_IN_EXIT and Top Include ZIS_U_MOVE_IN_TOP.



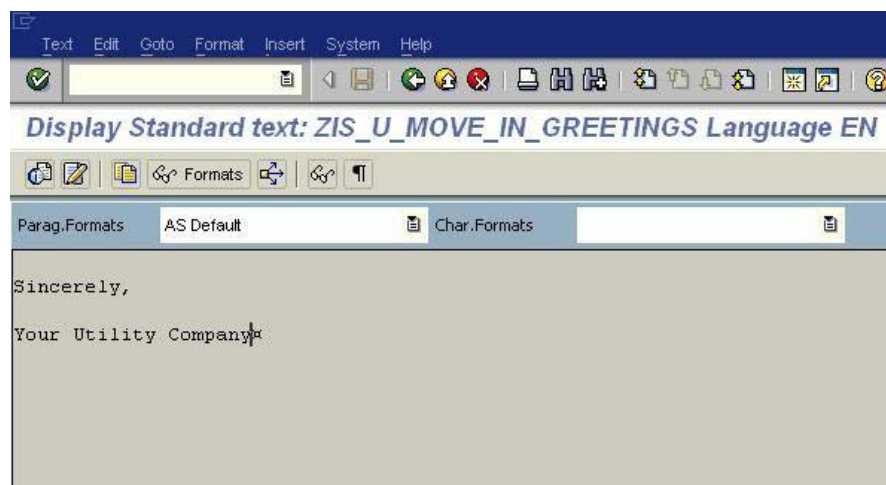
- This is what the Application Form looks like.



- In order to include some text, place your cursor on the required node and click on 'Text' button on the toolbar.



- Mention the window name and Window area where you want the text to appear.



- The form can be customized according to the requirements by adding Before / During / After exits at any node. To do so, double click on a node and mention the respective exit loops name.

Attributes for Form Level MOVEINDOC

Level attributes

Level Type	Form Level (1:n)
Name	MOVEINDOC
Output Struct.	EEINSUP
Description	Move-in document
<input checked="" type="checkbox"/> Activ.	

User Exits

Exit before loop	MOVEINDOC_BEFORE	
Exit during loop	MOVEINDOC_DURING	
Exit after loop	MOVEINDOC_AFTER	

Application Form Change: ZIS_U_MOVE_IN_WELCOME_I

ZIS_U_MOVE_IN_WELCOME_LETTER Welcome Letter

- MOVEINDOC Move-in document
 - RECEIVER Correspondence Recipient
 - REC_ADDRESS Address of Correspondence Recipient
 - CONTACT Business partner contact (move-in notification)
 - CLERK1 Agent
 - BANKDETIN Bank details of recipient
 - BP_BANKIN Business partner for bank details of recipient
 - BUS_PART Business partner (move-in customer)
 - BP_ADDRESS Address for business partner
 - CONT_ACCT Contract Account
 - CACCT_INFO Additional information on contract account
 - MOVEINDOCC Move-in document for contract
 - MOVEINDOCC Move-in document for contract
 - PRINTACT_H Print Action Record: Business Partner/Account
 - SECURITY Security Deposit
 - OPEN_ITEM Open Items
 - ZIS_U_MOVE_IN_GREETINGS Greetings

- To go to the User Exit, click on B, D or A against the node. It will take you to the ABAP editor where you can change the existing data or make your own enhancements.

The screenshot shows the SAP ABAP Editor interface. The title bar reads "ABAP Editor: Change Include ZIS_U_MOVE_IN_EXIT". The editor window displays the following code:

```

*-----*
* User Exit-Include ZIS_U_MOVE_IN_EXIT
*-----*
*&-----*
*& Form USER_EXIT_MOVEINDOC_BEFORE
*&-----*
*& Use this form e.g. to sort table XYT_MOVEINDOC or to load
*& additional data from database
*& This exit is processed *BEFORE* looping at XYT_MOVEINDOC
*&-----*
*& <--> XYT_MOVEINDOC
*&-----*
FORM USER_EXIT_MOVEINDOC_BEFORE
  TABLES
    XYT_MOVEINDOC TYPE G_TYPE_TAB_MOVEINDOC.

  *sort XYT_MOVEINDOC by param1 ascending param2 descending .

ENDFORM .                    " USER_EXIT_MOVEINDOC_BEFORE
*&-----*
*& USER_EXIT_MOVEINDOC_DURING
*&-----*
*& Use this form e.g. to prepare the data for the printing or
*& to perform summations
*& This exit is processed *DURING* a form_level-loop
*& X_INDEX denotes the current entry in the associated table
*&-----*
*& <--> X_MOVEINDOC
*&-----*
FORM USER_EXIT_MOVEINDOC_DURING
  USING
    X_MOVEINDOC   type G_TYPE_STR_MOVEINDOC
    VALUE(X_INDEX) type SY-TABIX.

ENDFORM .                    " USER_EXIT_MOVEINDOC_DURING
*&-----*

```

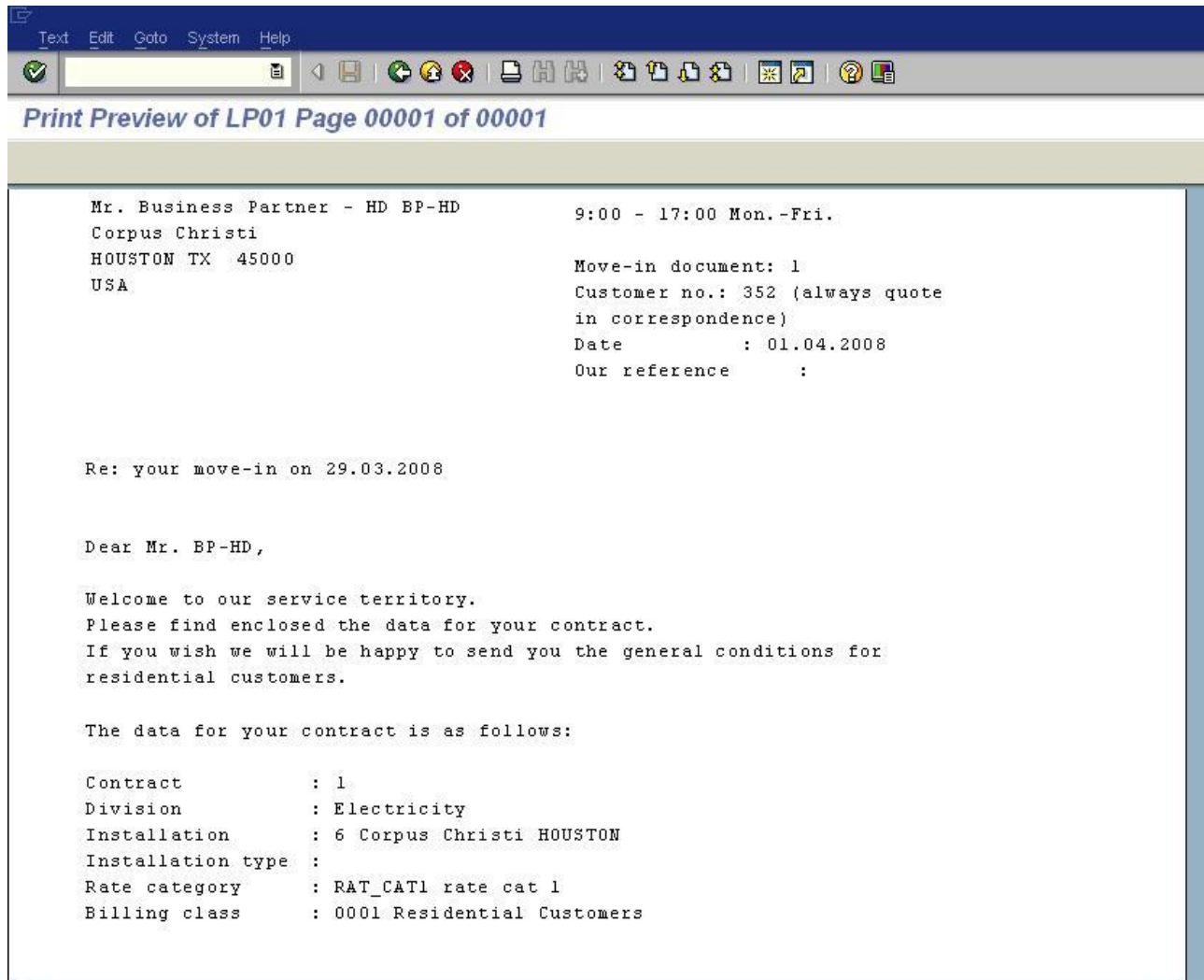
- Once the enhancements are done, activate the Application Form. You can test the form by Application Form -> Printing Test -> Execute.

The screenshot displays the SAP Application Form Display for the form **ZIS_U_MOVE_IN_WELCOME_LETTER** in Language EN. The form is currently **Active**. The tree view shows the following structure:

- MOVEINDOC** (Move-in document)
 - MOVEINDOCC** (Move-in document for contract)
 - LOGIC_NO** (Billing data: installation struct. at device level)
 - LOG_REG** (Billing data: inst. structure at register level)
 - Find Move-in Document** (Dialog box)

Move-in document	1
Business Partner	0000000158
Premise	
Contract	
 - ZIS_U_MOVE_IN_CONTRACTS** (Information for Contract)
 - LOGIC_NO** (Billing data: installation struct. at device level)
 - ZIS_U_MOVE_IN_DEVICES** (Device Data in Attachment)
 - PRINTACT_D** (Print action record: contract)
 - PAR_D_LINE** (Text for print action record in table form)
 - PRINTACT_H** (Print Action Record: Business Partner/Account)
 - PAR_H_LINE** (Text for Print Action Record in Table Form)
 - SECURITY** (Security Deposit)
 - CONT_DATA** (Contract data for security deposit)
 - OPEN_ITEM** (Open Items)

- This is how our Move-in Letter looks like.



Related Content

Please include at least three references to SDN documents or web pages.

http://help.sap.com/saphelp_utilities472/helpdata/en/83/426d4f8d3b11d4b5e4006094b9db76/frameset.htm

http://help.sap.com/saphelp_pserv471/helpdata/EN/e4/a45a36998cf732e10000009b38f839/content.htm

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