

Extensibility for Billing Document Printout

S/4 HANA Cloud



THE BEST RUN



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1 Provide ATF License in Billing Document Output

1.1 Aim

Show ATF License on Form Template Item of Billing Document.

1.2 Steps to do

1.2.1 Creation of an extension field at Billing Document Item

Use app *Custom Fields and Logic*, tab *Custom Fields*, in the Extensibility business catalog. Create a new extension field in *Business Context Sales: Billing Document Item* with an appropriate Type.

New Field

Field Properties

*Business Context: Sales: Billing Document Item

*Label: ATF_License

*Identifier: YY1_ ATF_License

*Tooltip: ATF_License

*Type: Text

*Length: 40

Business Context Capacity: 26%

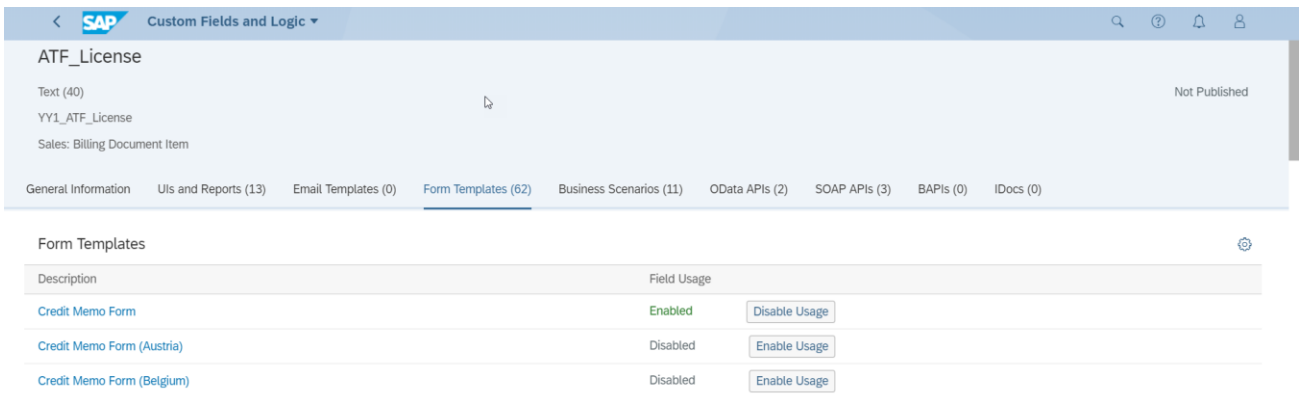
Create Create and Edit Cancel

This extension field is intended to store the ATF License with the Billing Document.

Remark: The extension field will only be filled when triggering the output request.

1.2.2 Extend the Form Template with the Extension Field

Within the same App *Custom Fields and Logic* and tab *Custom Field* enable the Form Templates for the Billing Document with the extension field.



Save and publish the extension field.

1.2.3 Creation of an extension logic

Use app *Custom Fields and Logic*, tab *Custom Logic*, in the Extensibility business catalog. Create a new Enhancement Implementation in *Business Context Sales: Billing Document Item* with *BAdI Description Billing Standard Output Item Adaption* and an appropriate Implementation Description. This step can be skipped in case the Enhancement Implementation already exist.

New Enhancement Implementation

Business Context:

*BAdI Description:

*Implementation Description:

Implementation ID:

Add the following example code to the Draft:

- * First of all assign existing extension field values to output parameter:
`billingdocitem_ext_out = billingdocitem_ext_in.`
`billingdocitemdescr_ext_out = billingdocitemdescr_ext_in.`
- * select the ATF License

```

select single ExtTrdCmplncLicense
  from C_TrnCmplncDocItmLicAssgmt
 where referencedocument = @billingdocitem-referencesddocument
 and referencedocumentitem = @billingdocitem-referencesddocumentitem
 into @billingdocitem_ext_out-yy1_atf_license_bdi.

```

Save and publish the extension Logic.

The screenshot shows the SAP 'Custom Fields and Logic' configuration interface. At the top, there are navigation icons and a search bar. Below that, there are tabs for 'Available Fields', 'Filter', and 'BAdI Documentation'. The main area contains a 'Select Variant' section with a refresh icon. Below this, there are four input fields for mapping extension fields: 'billingdoc:', 'billingdocitem:', 'billingdocitem_ext_in:', and 'billingdocitemdescr_ext_in:'. Each field has a 'Click to add value' button and a copy icon. At the bottom right, there are buttons for 'Create Draft', 'Published', and 'Exam'. The 'Published Logic' section contains a code editor with the following content:

```

1 * This method can be used to set values for output to billing document item extension fields.
2 * Example.
3 *
4 * First of all assign existing extension field values to output parameter:
5 billingdocitem_ext_out = billingdocitem_ext_in.
6 billingdocitemdescr_ext_out = billingdocitemdescr_ext_in.
7
8
9+ select single ExtTrdCmplncLicense
10   from C_TrnCmplncDocItmLicAssgmt
11   where referencedocument = @billingdocitem-referencesddocument
12   and referencedocumentitem = @billingdocitem-referencesddocumentitem
13   into @billingdocitem_ext_out-yy1_atf_license_bdi.
14

```

Remark: To see the new created extension field in the Billing Document Printout, it is necessary to create a new Form Template.

Remark2: The user who print the invoice / display the pdf need the following authorizations:

- ITM_LMGM: legal regulation and license type*
- ITM_BURKS: license owner of the license*
- ITM_BUKRS: company code for current compliance document*