

# Provide Tax Code in Billing Document Output

SAP S/4HANA Cloud



**THE BEST RUN**



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# 1 Provide Tax Code in Billing Document Output

## 1.1 Aim

Add item level tax code on form template for billing document output.

## 1.2 Steps

### 1.2.1 Creation of a custom extension field on billing document item level

Use the app [Custom Fields and Logic](#), tab [Custom Fields](#), which is part of the Extensibility business catalog. Create a new custom field in [Business Context Billing Document Item](#) with an appropriate type.

New Field

Field Properties

\*Business Context: Sales: Billing Document Item

\*Label: TaxCode

\*Identifier: YY1\_ TaxCode

\*Tooltip: TaxCode

\*Type: Text

\*Length: 2

Business Context Capacity: 16%

Create Create and Edit Cancel

This custom field is intended to store the tax code on billing document item level.

*Note: The custom field is not filled until the output request is triggered.*

### 1.2.2 Extend the Form Template with the Custom Field

Within the same app *Custom Fields and Logic*, and on the tab *Custom Field*, enable the form templates for the billing document with the custom field.

The screenshot shows the SAP 'Custom Fields and Logic' interface. The 'TaxCode' object is selected, and the 'Form Templates' tab is active. The table below lists various form templates and their field usage status.

Description	Field Usage
Credit Memo Form	Enabled <a href="#">Disable Usage</a>
Credit Memo Form (Austria)	Disabled <a href="#">Enable Usage</a>
Credit Memo Form (Belgium)	Disabled <a href="#">Enable Usage</a>
Credit Memo Form (France)	Disabled <a href="#">Enable Usage</a>
Credit Memo Form (Hungary)	Disabled <a href="#">Enable Usage</a>
Credit Memo Form (Indonesia)	Disabled <a href="#">Enable Usage</a>

Save and publish the custom field.

### 1.2.3 Creation of custom logic

Use the app *Custom Fields and Logic*, and go to the *Custom Logic* tab.

Create a new Enhancement Implementation in *Business Context Sales: Billing Document Item* with *Definition Description Billing Standard Output Item Adaption* and add an appropriate Implementation Description.

In case the Enhancement Implementation already exists, you can skip this step.

The screenshot shows the 'New Enhancement Implementation' dialog box. The fields are filled as follows:

- Business Context: Billing Document Item
- \*Definition Description: Billing Standard Output Item Adaption
- \*Implementation Description: Enhance Print Program
- \*Implementation ID: YY1\_ ENHANCEPRINTPROGRAM

Buttons: Create, Cancel

Add the following custom logic to the Draft:

```
* First of all assign existing custom field values to output parameter:
billingdocitem_ext_out = billingdocitem_ext_in.
billingdocitemdescr_ext_out = billingdocitemdescr_ext_in.
*
* Read tax code for specific billing document item:
SELECT SINGLE taxcode
  FROM i_billingdocitemprcgelmntbasic
 WHERE billingdocument = @billingdocitem-billingdocument
 AND   billingdocumentitem = @billingdocitem-billingdocumentitem
AND   pricingprocedurestep = '850'
 INTO @billingdocitem_ext_out-yy1_taxcode_bdi.
```

#### Alternative:

```
* First of all assign existing custom field values to output parameter:
billingdocitem_ext_out = billingdocitem_ext_in.
billingdocitemdescr_ext_out = billingdocitemdescr_ext_in.
*
* Read tax code for specific billing document item:
SELECT SINGLE taxcode
  FROM i_billingdocitemprcgelmntbasic
 WHERE billingdocument = @billingdocitem-billingdocument
 AND   billingdocumentitem = @billingdocitem-billingdocumentitem
AND ( ConditionCategory = 'D' or ConditionCategory = '+' )
AND ConditionInactiveReason IS INITIAL
 INTO @billingdocitem_ext_out-yy1_itmtaxcode_bdi.
```

Save and publish the custom logic.

The screenshot displays the SAP Custom Fields and Logic configuration page for the **EnhancePrintProgramm** BAdI. The page indicates it was last changed by **billing\_clerk John** on **20.06.2018 14:20:53** and is currently in a **Published** state. Below the header, there are tabs for **Available Fields**, **Filter**, and **BAdI Documentation**. A **Select Variant** section shows four input fields: **billingdoc**, **billingdocitem**, **billingdocitem\_ext\_in**, and **billingdocitemdescr\_ext\_in**, each with a **Click to add value** button. At the bottom, the **Published Logic** section contains a SQL query that assigns input fields to output fields and reads a tax code for a specific billing document item based on the **pricingprocedurestep** and **ConditionCategory**.

```
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 * Read tax code for specific billing document item:
9 SELECT SINGLE taxcode
10 FROM i_billingdocitemprcgelmntbasic
11 WHERE billingdocument = @billingdocitem-billingdocument
12 AND   billingdocumentitem = @billingdocitem-billingdocumentitem
13 AND   pricingprocedurestep = '850'
14 INTO @billingdocitem_ext_out-yy1_taxcode_bdi.
15
```



*Note:*

- *The pricing procedure step depends on the pricing procedure and, in case of custom pricing procedures, the value could differ.*
- *To see the newly created custom field on the billing document printout, it's necessary to create a new form template.*