

Microsoft Dynamics™ AX

# Localization Update for Brazil

## Microsoft Dynamics AX SP2

White Paper

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## Introduction

This information provides setup instructions and an overview of the features for the Brazilian Localization Update for Microsoft Dynamics™ AX 4.0 Service Pack 2 that are specific to users in Brazil. It includes a description of each feature and a list of forms and fields used and added for each feature, along with the procedural information to use the feature.

You must select the Brazil configuration key to activate the Brazilian functionality.

Refer the following topics for detailed information about each feature:

- [Adjust taxes per item](#)
- [Changes to journals for Brazilian taxes](#)
- [Summary Update](#)
- [Electronic Invoice \(NF-e for Sao Paulo\)](#)
- [Set up file layouts and tax codes for Ato Cotepe/SPED fiscal reporting](#)
- [Fiscal book information](#)

## Adjust taxes per item

When you post an invoice, you can adjust the sales taxes on a per tax code basis.

According to legislation in Brazil, tax adjustments are calculated and presented in the Nota Fiscal document on a per item basis.

A new tab is added to the standard Microsoft Dynamics AX **Temporary sales tax transactions** form in order to provide a way to adjust the sales tax amount per item when posting an invoice.

### Adjust the item taxes

1. Click **Accounts receivable > Sales order**  
–or–  
**Accounts payable > Purchase order.**
2. Create a sales order or a purchase order.
3. Set up taxes for each item added to the order on the **Setup** tab.
4. Click the **Setup** button at the header level and select the **Sales tax** option to open the **Temporary sales tax transactions** form.
5. Close the form to save the data.
6. Click **Posting** button > **Invoice** option > **Sales tax** button to open the **Temporary sales tax transactions** form.
7. On the **Overview** tab, view the items with their respective taxes displayed.
8. Click the **Adjustment per item** tab.
9. Select the item line to modify the tax for.
10. Type the adjusted amounts in the **Adjusted amount origin** and in the **Adjusted amount** fields, as needed.
11. Click **Apply**.

12. Click the **Overview** tab and verify the adjusted amounts at the specific item line.

## Reset the adjusted item taxes

When the **Temporary sales tax transactions** form is open, you can reset the information to their default values.

### Note:

- All previously adjusted amounts in all lines will be reset to their default values.
- This action cannot be undone. After you have reset the adjustments by using the **Reset** button, you must enter the adjustments in the appropriate fields again.

1. From the **Temporary sales tax transactions** form, select the **Adjustment per item** tab.
2. Click the **Reset** button.

## Form that is modified for this feature

Refer to the following information about the form in Microsoft Dynamics AX that you will use with this feature:

Form name and locator	Description
<b>Temporary sales tax transactions (form)</b>	<b>Sales order</b> field
Accounts receivable > Sales order > Setup button (header area) > Sales tax > Adjustment per item tab	The sales order number or purchase order number.
	<b>Item number</b> field
	The line item number.
Accounts receivable > Sales order > Posting button > Invoice > Sales tax button > Adjustment per item tab	<b>Sales tax code</b> field
	The sales tax code setup for the item.
	<b>Value</b> field
Accounts payable > Purchase order > Setup button (header area) > Sales tax > Adjustment per item tab	The tax percentage.
	<b>Sales tax direction</b> field
	A description of how the sales tax is stated.
Accounts payable > Purchase order > Posting button > Invoice > Sales tax button > Adjustment per item tab	<b>Currency</b> field
	The current currency code.
	<b>Amount origin</b> field
	The original amount that the sales tax calculation is based on in the current currency.
	<b>Adjusted amount origin</b> field
	The adjusted amount origin in current currency.
	<b>Sales tax charge</b> field
	The sales tax amount to include in the cost price of the item. Applied to purchase orders only.
	<b>Adjusted sales tax charge</b> field
	The adjusted sales tax amount to include in the cost price of the item. Automatically calculated when the <b>Adjusted amount</b> field is modified. Applied to purchase orders only.
	<b>Sales tax amount</b> field
	The calculated sales tax amount.

	<b>Adjusted amount</b> field The adjusted sales tax amount.
<b>Temporary sales tax transactions (form)</b> Accounts receivable > Sales order > Setup button (header area) > Sales tax > Adjustment per item tab  Accounts receivable > Sales order > Posting button > Invoice > Sales tax button > Adjustment per item tab  Accounts payable > Purchase order > Setup button (header area) > Sales tax > Adjustment per item tab  Accounts payable > Purchase order > Posting button > Invoice > Sales tax button > Adjustment per item tab	<b>Apply</b> button Save all the adjusted tax amounts applied to the items. The adjusted tax amounts are displayed in the <b>Overview</b> and <b>Adjustment</b> tabs.  <b>Reset</b> button Clear all the adjusted tax amounts.
<b>Temporary sales tax transactions (form)</b> Accounts receivable > Sales order > Setup button (header area) > Sales tax > Adjustment per item tab  Accounts receivable > Sales order > Posting button > Invoice > Sales tax button > Adjustment per item tab  Accounts payable > Purchase order > Setup button (header area) > Sales tax > Adjustment per item tab  Accounts payable > Purchase order > Posting button > Invoice > Sales tax button > Adjustment per item tab	<b>Adjustment per item</b> tab Shows a list of the item lines on the order and their respective taxes, which allows you to view tax adjustments on a per item basis without splitting the adjusted amounts per tax code.

## *Changes to journals for Brazilian taxes*

Journals are modified to add fields for tax calculations and transaction invoicing. In addition to entering invoices when you create purchase orders, you now can enter invoices in the **General journal**, **Vendor invoice journal**, **Vendor invoice register**, and **Invoice pool excl. posting** forms that have Brazilian tax calculations. This is useful when you need to enter invoices that are not part of a purchase order process, such as additional purchase expenses, or when you enter standard invoices that do not need approval or might have a direct debit payment, such as the purchase of a utility, such as electricity.

Taxes are calculated for sales and purchase orders. The amount that you enter in either of these forms is the net amount, excluding any increased tax. The increased taxes will increase the final invoice amount after you post the general journal and other forms.

## **Modify purchase order invoices in journals**

You can use a ledger journal to create transactions without inventory control. However, you can also use a ledger journal to settle and invoice purchase orders when you create them.

To correctly register and approve an invoice, you must select the **Amount Incl. Tax** option on the **Setup** tab in the journal heading form.

To ensure that taxes are calculated correctly, you must select a tax group and item tax group on the invoice register journal line and an invoice approval ledger offset account, which must be the same as you selected for the purchase.

## Withholding tax calculations

Withholding tax applies only to customer or vendor payments when the settlement function is used, which is standard behavior for General ledger functionality. Withholding tax will be automatically calculated when parameters are set up for withholding tax.

## Forms that are modified for this feature

Refer to the following information about forms and fields in Microsoft Dynamics AX that you will use with this feature.

Form name and locator	Description
<b>General journal (form)</b> General ledger > Journals > General journal	<b>Fiscal information</b> tab Contains all the fields that are required to post and print the Brazilian invoice, such as fiscal document type, CFOP, tax behavior, sales tax code, taxation code, and fiscal value.
<b>Vendor invoice journal (form)</b> Accounts payable > Journals > Invoices > Invoice journal	<b>Fiscal information</b> tab Contains all the fields that are required to post and print the Brazilian invoice, such as fiscal document type, CFOP, tax behavior, sales tax code, taxation code, and fiscal value.
<b>Vendor invoice register (form)</b> Accounts payable > Journals > Invoices > Invoice register	<b>Fiscal information</b> tab Contains all the fields that are required to post and print the Brazilian invoice, such as fiscal document type, CFOP, tax behavior, sales tax code, taxation code, and fiscal value.
<b>Vendor invoice approval (form)</b> Accounts payable > Journals > Invoices > Invoice approval journal	<b>Fiscal information</b> tab Contains all the fields required to post and print the Brazilian invoice, such as fiscal document type, CFOP, tax behavior, sales tax code, taxation code, and fiscal value.
<b>Vendor invoice pool excl. posting (form)</b> Accounts payable > Journals > Invoices > Invoice pool excl. posting	<b>Fiscal information</b> tab Contains all the fields required to post and print the Brazilian invoice, such as fiscal document type, CFOP, tax behavior, sales tax code, taxation code, and fiscal value.

## *New options for Summary update*

You can select to have information on reports and invoices for sales orders and purchase orders summarized according to the data that is selected in the sales order and purchase order summary

parameters forms. When the configuration key for Brazil is selected, the application is configured automatically with the necessary parameters that are listed below:

- CFOP
- Currency
- Final user
- Fiscal document type
- Invoice account
- Sales and purchase operation types
- Suframa

**Note:** The orders must have exactly the same legal text to be summarized.

## Forms for this feature

Refer to the following information about forms in Microsoft Dynamics AX that you will use with this feature.

Form name and locator	Description
<b>Summary update parameters for SO's and PO's (form)</b> Accounts receivable > Setup > Parameters > Summary update tab > Summary update button Accounts payable > Setup > Parameters > Summary update tab > Summary update button	Determines the parameters that are considered when the SOs and POs are summarized. The parameters cannot be deleted from the list when the configuration key for Brazil is selected.
<b>Summary update for SO's and PO's (form)</b> Accounts receivable > Sales order > Posting > Invoice/Packing slip button > Arrange button Accounts payable > Purchase order > Posting > Invoice button > Arrange button	When you click <b>Rearrange</b> , the parameters that are configured plus the legal texts are compared, and if all the types are equal, the orders are summarized.
<b>Fiscal Document Type (form)</b> Basic > Setup > Brazil > Fiscal document types	Determines the number of items that will be incorporated into each line of the sales orders and purchase orders when you generate the summary.

## *Electronic invoice for São Paulo City*

NF-e for services applied to São Paulo City is mandatory for all service companies that had revenue equal or greater than 240.000 BRL in 2005.

These companies must issue a fiscal notification, through the city hall government Web site, to notify the government fiscal departments about the flow of their company earnings and payments in São Paulo city jurisdiction.

To use this feature, you should set up the correct parameters for all the customer and vendor accounts and service items used on an invoice. However, you also can set up the information when you enter purchase order and sales order transactions.



## Basic setup for this feature

Before you send and receive NF-e files from the City Hall Government Web site ([www.prefeitura.sp.gov.br](http://www.prefeitura.sp.gov.br)), you must configure or import the layout for the configurator setup.

### Create a definition group

1. Click **Administration > Periodic > Configurator > Configurator definition groups**.
2. Click the **Definition wizard** button.

### Configure layout groups

After the definition group is set up, you must configure the layout groups.

1. Click **Administration > Periodic > Configurator > Configurator layout groups**.
2. The flat file fields can be associated with system table fields, and then used for importing and exporting data.

The layout configuration can also be imported from the City Hall Government Web site instead of manually configured.

## Receiving NF-e

There are two ways that you can receive invoices through NF-e.

- You can set up the **Electronic invoice** field on a vendor account. Whenever a purchase order is created for the vendor, information in the **Electronic invoice** field and the **Service code on delivery address** field will be used, just as if you selected the information on the vendor's account.
- You can set up NF-e when you enter a purchase order. On the **Fiscal information** tab, click the **Electronic Invoice** check box.

**Note:** If the service code should be based on the delivery address, you must select the **Service code on delivery address** check box.

The screenshot shows the 'Fiscal information' tab of a purchase order form. The form is titled '(tst) Purchase order 000001 , Name Fornecedor PJ Produtos Intrastate , Item name'. The 'Fiscal information' tab is active, showing fields for 'Fiscal document type' (NFSV1), 'Purchase operation type', 'CFOP', 'Create remittance', 'Use and consumption', 'Series' (S1), 'Electronic Invoice' (checked), 'Service code on delivery address' (checked), 'Purchase complementary invoice', 'Complementary invoice type' (None), and 'Complemented invoice'. Below the form, there is a 'Lines' section with tabs for 'General', 'Setup', 'Address', 'Quantity', 'Price/Discount', 'Other', 'Project', 'Dimension', and 'Fiscal information'. The 'Fiscal information' tab is selected, showing columns for 'Item number', 'CFOP', 'CS...', 'IPI fiscal values', 'ICMS fiscal values', and 'Receipt and issue code'.

When you post an invoice, enter the RPS number for the invoice number. Later, it will be replaced with the NF-e number provided by the imported files sent by São Paulo City Hall government system.

Also, the fiscal document type must be configured to accomplish the import and export process. The **Electronic invoice** check box and the **Import layout** or **Export layout** check boxes in the **Fiscal document type** form should be selected to guarantee this import and export process.

## Issuing NF-e

The setting that determines if a service invoice will be an electronic invoice is the **Fiscal document type** field on the **Fiscal information** tab in both sales orders and free text invoice orders.

The fiscal document type must be set up in the **Fiscal document type** form (**Basic > Setup > Brazil > Fiscal document types** menu), and the **Electronic invoice** and **Service code on delivery address** check boxes must be selected for the document type that you are using.

You can define a split rule, which is the same as the standard rule, but it will be considered for the export file. To define a split rule, click **Multiple pages per invoice**.

The export and import file layouts are also defined in the **Export file Layout group** and **Import file Layout group** fields in this same form.

## Forms modified for this feature

Refer to the following information about forms and fields in Microsoft Dynamics AX that you will use with this feature.

Form name and locator	Description
<b>Fiscal document types (form)</b> Basic > Setup > Brazil > Fiscal document types	Added the <b>Electronic invoice</b> , <b>Service code on delivery address</b> , <b>Import layout</b> , and <b>Export layout</b> fields, which you can use to define if the document type will be an electronic invoice type and configure the respective file layouts for importing and exporting data.
<b>Customer (form)</b> Accounts receivable > Customer	<b>Service code on delivery address</b> field Define if the service code will be based on the delivery address.
<b>Customer transactions (form)</b>	Added the <b>Electronic invoice</b> field group to define information for electronic invoices, such as <b>Electronic invoice date</b> , <b>Electronic invoice time</b> , and <b>Electronic invoice validation number</b> fields.
<b>Customer open transactions (form)</b>	Added the <b>Electronic invoice</b> field group to define information for electronic invoice such as <b>Electronic invoice date</b> , <b>Electronic invoice time</b> , and <b>Electronic invoice validation number</b> fields.
<b>Customer open reverse transactions (form)</b>	Modified the <b>General</b> tab by adding the <b>Electronic invoice</b> field group to define information for Electronic invoice such as <b>Electronic invoice date</b> , <b>Electronic invoice time</b> , and <b>Electronic invoice validation number</b> fields.
<b>Vendor (form)</b> Accounts payable > Vendor	<b>Service code on delivery address</b> field Indicate if the service code will be based on the delivery address.  <b>Electronic invoice</b> field

	Indicate if the vendor is, by default, an electronic invoice issuer.
<b>Vendor transactions (form)</b> Accounts payable > Vendor > Transactions button	<b>Electronic invoice</b> field group Define information for an electronic invoice, such as <b>Electronic invoice date</b> , <b>Electronic invoice time</b> , and <b>Electronic invoice validation number</b> fields.
<b>Vendor open transactions (form)</b> Accounts payable > Vendor > Transactions button > Open button	<b>Electronic invoice</b> field group Define information for an electronic invoice, such as <b>Electronic invoice date</b> , <b>Electronic invoice time</b> , and <b>Electronic invoice validation number</b> fields.
<b>Vendor open reverse transactions (form)</b> Accounts payable > Vendor > Transactions button > Reverse transaction button	<b>Electronic Invoice</b> field group Define information for an electronic invoice, such as <b>Electronic invoice date</b> , <b>Electronic invoice time</b> , and <b>Electronic invoice validation number</b> fields.
<b>Posting purchase order</b> Accounts Payable > Periodic > Purchase order update > Invoice	<b>Electronic invoice</b> field Indicate if a posted line will be an electronic invoice.

## Set up file layouts and tax codes for Ato Cotepe/SPED fiscal reporting

SPED Fiscal is a monthly report that is sent to the Brazilian government by magnetic media. The report contains the following tax and accounting information related to company:

- Purchase and sales invoices
- Customer, vendor, and item master data
- Chart of account master data and general ledger vouchers
- Fixed asset purchases and depreciation
- Customer and vendor payments
- Tax summaries for the period

According to Brazilian legislations Ato Cotepe 35/2005 and 70/2005, specific file layouts are required for fiscal reporting purposes.

Because the file formats must be generated by using third-party software, additional fields are added to Microsoft Dynamics AX, and some fields are modified to accommodate how taxes are set up and calculated for the Brazilian requirements.

The **Tax Situation Code (CST)**, **ICMS fiscal value**, and **IPI fiscal value** fields in the **Purchase order** and **Sales order** forms were removed for the item line at orders, and the new **Taxation origin**, **Taxation code**, and **Fiscal value** fields were added. The fiscal value information that was previously used only for IPI and ICMS taxes has been extended to include additional tax codes.

You can specify which tax type will require taxation code setup, and you can define the taxation code and fiscal value information individually for each tax that is applied to each item.

You can also define the **Fiscal operations of services code (CFPS)** at the header level for orders.

For more information, refer to the following topics:

- [Activate the Fiscal operations of services \(CFPS\) code](#)

- [Set up the Fiscal operations of services \(CFPS\) code](#)
- [Set up the taxation origin](#)
- [Specify mandatory tax types](#)
- [Set up taxation codes](#)
- [Set up a taxation code for sales tax](#)
- [Specify exempt tax codes for sales tax groups](#)
- [Set up tax codes for item sales tax groups](#)
- [Set up tax codes and fiscal values for item lines](#)

## Activate the fiscal operations of services (CFPS) code

1. Click **Basic > Setup > Brazil > Brazilian parameters**.
2. Click the **General** tab and select the **Enable CFPS code** check box to activate the use of the CFPS code in Microsoft Dynamics AX. Clear the check box to inactivate the use of the CFPS code.
3. Press **CTRL+S** or close the form to save the settings.

## Set up the fiscal operations of services (CFPS) code

You must set up the CFPS code in the **Services CFPS** form that you will use with sales and purchases. After you set up the code, it will be available when you create transactions in the following forms:

- **Sales order** form (**Accounts receivable > Sales order > Fiscal information** tab)
- **Sales quotation** form (**Accounts receivable > Sales quotation > Fiscal information** tab)
- **Free text invoice** form (**Accounts receivable > Free text invoice > Fiscal information** tab)
- **Purchase order** form (**Accounts payable > Purchase order > Fiscal information** tab)

1. Click **Basic > Setup > Brazil > Services CFPS**.
2. Click the **Overview** tab and press **CTRL+N**. Enter the four-digit fiscal operations of services code in the **CFPS code** field and a descriptive name for the code in the **Name** field.
3. Select the type of transaction to use the CFPS for in the **Transaction type** field. The options are **Sales** and **Purchase**.

CFPS Code	Name	Search name	Transaction type
8001	Entradas no estabelecimento de materiais e m...	Entradas no estabelecimento de material...	Purchase
8002	Entradas no estabelecimento de bens de qual...	Entradas no estabelecimento de bens de...	Purchase
8003	Entradas no estabelecimento de máquinas, ve...	Entradas no estabelecimento de máquin...	Purchase
8004	Entradas no estabelecimento de máquinas, ve...	Entradas no estabelecimento de máquin...	Purchase
8005	Entradas no estabelecimento de veículos para...	Entradas no estabelecimento de veículos...	Purchase
8006	Entradas no estabelecimento de quaisquer obj...	Entradas no estabelecimento de quaisqu...	Purchase
8007	Entradas no estabelecimento de aparelhos, m...	Entradas no estabelecimento de aparel...	Purchase
9001	Saídas no estabelecimento de materiais e mer...	Saídas no estabelecimento de materiais ...	Sales
9002	Saídas no estabelecimento de bens de qualqu...	Saídas no estabelecimento de bens de q...	Sales
9003	Saídas no estabelecimento de máquinas, veicu...	Saídas no estabelecimento de máquinas,...	Sales
9004	Saídas no estabelecimento de máquinas, veicu...	Saídas no estabelecimento de máquinas,...	Sales

4. Press **CTRL+S** or close the form to save the settings.

## Set up the taxation origin

You can set up the taxation origin for items, and that information will be used when an item is added to sales orders, purchase orders, and sales quotations.

1. Click **Inventory management > Items**.
2. Click the **Fiscal information** tab.
3. Select a taxation origin code in the **Taxation origin** field. The options are:
  - **National (produced in country)**
  - **Direct import (produced abroad)**
  - **Import acquired internally (produced abroad)**
4. Press **CTRL+S** or close the form to save the settings.

When you create a sales order, sales quotation, free text invoice, or purchase order, you can select the taxation origin for the item in the **Taxation origin** field that is available.

## Specify mandatory tax types

You can specify which tax types will require taxation codes.

1. Click **Basic > Setup > Brazil > Brazilian parameters**.
2. Click the **Taxation code** tab and select the **Mandatory** check box for each tax that will require a taxation code.
3. Press **CTRL+S** or close the form to save the settings.

## Set up taxation codes

You must set up the taxation codes, along with the fiscal value, ato cotepe code. You must also enter input taxation code and output taxation code information.

1. Click **Basic > Setup > Brazil > Taxation code**.
2. Click the **Overview** tab and press **CTRL+N**.
3. Select a tax type code in the **Tax type** field.
4. Enter the 02 digit code for the taxation code in the **SPED code** field and a name in the **Description** field.
5. Select a fiscal value for the taxation in the **Fiscal value** field from the following options:
  - **1. With Credit/Debit**
  - **2. Without Credit/Debit (Exempt or not taxable)**
  - **3. Without Credit/Debit (Other)**
6. Enter the ato cotepe code for the taxation code in the **Ato Cotepe code** field.
7. Enter the 01 digit code for the input taxation code in the **Input taxation code** field.
8. Enter the 01 digit code for the output taxation code in the **Output taxation code** field.

The screenshot shows a window titled 'Taxation code' with a 'General' tab selected. It contains a table with the following data:

Tax type	SPED code	Description	Fiscal value	Ato Cotepe code	Input taxation code	Output taxation code
ISS	06	Exempt	2. Without Credit/Debit (Exempt or ...			
ISS	07	Not taxable	2. Without Credit/Debit (Exempt or ...			
IRRF	01	Taxable	1. With Credit/Debit			
IRRF	07	Exempt	2. Without Credit/Debit (Exempt or ...			
IRRF	08	Other	3. Without Credit/Debit (Other)			
IPI	01	Taxable with positive aliquot	1. With Credit/Debit		0	5
IPI	02	Taxable with zero aliquot	1. With Credit/Debit		0	5
IPI	03	Exempt	2. Without Credit/Debit (Exempt or ...		0	5
IPI	04	Not taxable	2. Without Credit/Debit (Exempt or ...		0	5
IPI	05	Immune	3. Without Credit/Debit (Other)		0	5
IPI	06	Taxable with reduction	1. With Credit/Debit			
IPI	07	Suspension	3. Without Credit/Debit (Other)		0	5
IPI	08	Taxation changed by special condition	3. Without Credit/Debit (Other)			
IPI	09	Others	3. Without Credit/Debit (Other)		4	9

9. Press **CTRL+S** or close the form to save the settings.

## Set up a taxation code for sales tax

You can set up a default taxation code to be used when associating sales tax codes and sales tax groups.

1. Click **General ledger > Setup > Sales tax > Sales tax codes**.
2. Click the **Overview** tab and select the sales tax code to set up the taxation code for.
3. Click the **Calculation** tab and select the taxation code in the **Taxation code** field.
4. Press **CTRL+S** or close the form to save the settings.

## Specify exempt tax codes for sales tax groups

You can set up sales tax groups and specify which of the tax codes in the group are to be treated as exempt.

1. Click **General ledger > Setup > Sales tax > Sales tax groups**.
2. Click the **Overview** tab and create a sales tax group.
3. Click the **Setup** tab to create a tax code to be part of this sales tax group.
4. Mark the **Exempt** check box. The **Taxation code** field will be available.
5. Select a taxation code in the **Taxation code** field.

**Note:** This field is available only if the fiscal value **2. Without Credit/Debit (Exempt or not taxable)** has been selected in the **Taxation Code** form.

Sales ta...	Name	Taxation code	Exempt	Exempt code	Use tax	Percentage/Amount
COFINS	COFINS		<input type="checkbox"/>		<input type="checkbox"/>	7.60
▶ ICMS 18	ICMS 18%	40	<input checked="" type="checkbox"/>		<input type="checkbox"/>	18.00
IPI 0	IPI 0%		<input type="checkbox"/>		<input type="checkbox"/>	0.00
IPI 10	IPI 10%		<input type="checkbox"/>		<input type="checkbox"/>	10.00
IPI 12	IPI 12%		<input type="checkbox"/>		<input type="checkbox"/>	12.00
IPI 15	IPI 15%		<input type="checkbox"/>		<input type="checkbox"/>	15.00
PIS 1.65	PIS 1.65%		<input type="checkbox"/>		<input type="checkbox"/>	1.65

6. Press **CTRL+S** or close the form to save the settings.

**Note:** If you try to save the settings or close the form with the **Exempt** field marked and with no taxation code entered, a warning message is displayed. You must clear the **Exempt** check box or enter the taxation code.

## Set up tax codes for item sales tax groups

You can set up item sales tax groups and specify which of the tax codes in the group are to be treated as with credit, exempt, or without credit.

1. Click **General ledger > Setup > Sales tax > Item sales tax groups**.
2. Click the **Overview** tab and create an item sales tax group.
3. Click the **Setup** tab create a tax code to be part of this item sales tax group.
4. Select a taxation code in the **Taxation code** field.
  - If the fiscal value of the taxation code that you select is **2. Without Credit/Debit (Exempt or not taxable)**, the check box in the **Exempt** field is selected automatically.
  - If the fiscal value of the taxation code that you select is **3. Without Credit/Debit (Other)**, the check box in the **Without tax credit** field is selected automatically.

Item sales tax groups - Item sales tax group: MP-10, CV MP/PA IPI=10

Overview General **Setup**

Sales ta...	Name	Taxation code	Exempt	Without tax credit	Percentage/Amount
COFINS	COFINS	09	<input type="checkbox"/>	<input checked="" type="checkbox"/>	7.60
ICMS 0	ICMS 0%	00	<input type="checkbox"/>	<input type="checkbox"/>	0.00
ICMS 12	ICMS 12%	00	<input type="checkbox"/>	<input type="checkbox"/>	12.00
ICMS 18	ICMS 18%	30	<input checked="" type="checkbox"/>	<input type="checkbox"/>	18.00
ICMS 7	ICMS 7%	20	<input type="checkbox"/>	<input type="checkbox"/>	7.00
ICMS RB07	ICMS 07% REDB 20%	00	<input type="checkbox"/>	<input type="checkbox"/>	7.00
ICMS RB12	ICMS 12% REDB 20%	00	<input type="checkbox"/>	<input type="checkbox"/>	12.00
ICMS RB18	ICMS 18% REDB 20%	00	<input type="checkbox"/>	<input type="checkbox"/>	18.00
ICMS ST12	ICMS 12% ST MARKUP=40%	00	<input type="checkbox"/>	<input type="checkbox"/>	12.00
ICMS ST18	ICMS 18% ST MARKUP=40%	00	<input type="checkbox"/>	<input type="checkbox"/>	18.00
IPI 10	IPI 10%	01	<input type="checkbox"/>	<input type="checkbox"/>	10.00

5. Press **CTRL+S** or close the form to save the settings.

**Note:**

- When you add a tax code to the group, the taxation code that is set up for that specific tax code is displayed in the **Taxation code** field.
- When you select the taxation code from the list of available taxation codes, a message is displayed, indicating that the check boxes in the **Exempt** and **Without tax credit** fields might be modified.
- If you select the check box in the **Exempt** field and there is a tax code entered in the **Taxation code** field that has a fiscal value other than **2. Without Credit/Debit (Exempt or not taxable)**, the tax code will be cleared.
- If you select the check box in the **Without tax credit** field and there is a tax code entered in the **Taxation code** field that has a fiscal value other than **3. Without Credit/Debit (Other)**, the tax code will be cleared.

## Set up tax codes and fiscal values for item lines

You can set up the taxation code and fiscal value information for each tax code that is applied to the item line through the new table that is added to the following forms:

- **Sales order** line level form (**Accounts receivable** > **Sales order** > **Fiscal information** tab)
- **Sales quotation** line level form (**Accounts receivable** > **Sales quotation** > **Fiscal information** tab)
- **Free text invoice** form (**Accounts receivable** > **Free text invoice** > **Fiscal information invoice line** tab)
- **Purchase order** line level form (**Accounts payable** > **Purchase order** > **Fiscal information** tab)
- **General journal** form (**General ledger** > **Journals** > **General journal** > **Lines** button > **Fiscal information** tab)
- **Invoice pool excl. posting** form (**Accounts payable** > **Journals** > **Invoices** > **Invoice pool excl. posting** > **Fiscal information** tab)



- **Invoice register** form (**Accounts payable** > **Journals** > **Invoices** > **Invoice register** > **Lines** button > **Fiscal information** tab)
- **Invoice approval journal** form (**Accounts payable** > **Journals** > **Invoices** > **Invoice approval journal** > **Lines** button > **Fiscal information** tab)
- **Invoice journal** form (**Accounts payable** > **Journals** > **Invoices** > **Invoice journal** > **Lines** button > **Fiscal information** tab)

**Example:**

- Sales order: 000001
- Item line: MP0001
- Item sales tax group: MP-10
- Sales tax group: SP-CV (setup with ICMS 18 tax code is set up as exempt)

With the parameters above, there will be a match between sales tax group and item sales tax group applied on the **Setup** tab in **Sales order** form. The result of this match will be the sales tax codes that are applied to this **Sales order** line level. Each of sales tax codes is associated to a sales tax type, which is associated to a taxation code. So, the entry that is displayed in the **Taxation code** field on the **Fiscal information** tab is based on the sales tax code applied to the **Sales order** line. With sales tax code and taxation code, the entry in the **Fiscal value** field will be based on the **Taxation code** form, as shown in the following illustration.

Sales ta...	Ta...	Fiscal value
COFINS	01	1. With Credit/Debit
ICMS 18	40	2. Without Credit/Debit (Exempt or not taxable)
IPI 10	01	1. With Credit/Debit
PIS 1.65	01	1. With Credit/Debit

## Forms for this feature

Refer to the following information about forms in Microsoft Dynamics AX that you will use with this feature.

Form name and locator	Description
<b>Services CFPS</b> (form) Basic > Setup > Brazil > Services CFPS	Create the Fiscal Operation of Services Codes (CFPS) to be used for sales orders, purchase orders, sales quotations and free text invoices.
Form name and locator	Description
<b>Services CFPS</b> (form) Basic > Setup > Brazil > Services CFPS	<p><b>CFPS code</b> field</p> <p>Enter the CFPS code.</p> <p><b>Name</b> field</p> <p>Enter a name for the CFPS code.</p> <p><b>Search name</b> field</p> <p>Enter a short name for the CFPS code.</p> <p><b>Transaction type</b> field</p> <p>Select the type of transaction to use the CFPS for.</p> <p><b>Overview</b> tab</p> <p>Create and view fiscal operation of services codes.</p> <p><b>General</b> tab</p> <p>View the information for the CFPS code that is selected on the <b>Overview</b> tab.</p>
<b>Taxation code</b> (form) Basic > Setup > Brazil > Taxation code	Create the taxation codes (SPED taxation code) to be used when you set up sales tax codes, sales tax groups, and item sales tax groups.
<b>Taxation code</b> (form) Basic > Setup > Brazil > Taxation code	<p><b>Tax type</b> field</p> <p>Select the tax type to set up the taxation code for.</p> <p><b>SPED code</b> field</p> <p>Enter the two-digit code for the SPED taxation code.</p> <p><b>Description</b> field</p> <p>Enter a short description for the taxation code.</p> <p><b>Fiscal value</b> field</p> <p>Select the fiscal value for the taxation code. The options are:</p> <ol style="list-style-type: none"> <li><b>1. With Credit/Debit</b></li> <li><b>2. Without Credit/Debit (Exempt or not taxable)</b></li> </ol>

### **Taxation code** (form)

Basic > Setup > Brazil > Taxation code

### **3. Without Credit/Debit (Other)**

#### **Ato cotepe code** field

Enter the Ato Cotepe code.

#### **Input taxation code** field

Enter the one-digit input code.

#### **Output taxation code** field

Enter the one-digit output code.

#### **Overview** tab

Create and view taxation codes for tax types.

#### **General** tab

View the information for the tax type that is selected on the **Overview** tab.

## Forms that are modified for this feature

Refer to the following information about additional forms in Microsoft Dynamics AX that you will use with this feature.

Form name and locator	Description
<b>Brazilian parameters</b> (form) Basic > Setup > Brazil > Brazilian parameters > General tab	<b>Enable CFPS code</b> check box  Select this check box to activate the CFPS codes. Clear the check box to inactivate the CFPS codes.
<b>Brazilian parameters</b> (form) Basic > Setup > Brazil > Brazilian parameters > Taxation code tab	<b>Mandatory</b> check box  Select this check box if the taxation code for the specific tax type is required.  <b>Tax type</b> field  The tax type that the taxation code is set for.
<b>Item</b> (form) Inventory management > Items > Fiscal information tab	<b>Taxation origin</b> field  Select the taxation origin for the item.
<b>Free text invoice</b> (form) Accounts receivable > Free text invoice > Fiscal information tab	<b>CFPS code</b> field  Select the CFPS code for the free text invoice.
<b>Free text invoice</b> (form) Accounts receivable > Free text invoice > Fiscal information invoice line tab	<b>Taxation origin</b> field  Select the taxation origin for the item.

	<p><b>Taxation code</b> grid</p> <p>The settings for the taxes that are applied to the item.</p> <p><b>Sales tax code</b> field</p> <p>The tax code applied to the item.</p> <p><b>Taxation code</b> field</p> <p>View or select the taxation code for the tax code that is applied to the item.</p> <p><b>Fiscal value</b> field</p> <p>View or select the fiscal value for the taxation code.</p>
<p><b>Sales order</b> (form)</p> <p>Accounts receivable &gt; Sales order &gt; Fiscal information tab (header level)</p>	<p><b>CFPS code</b> field</p> <p>Select the CFPS code for the free text invoice.</p>
<p><b>Sales order</b> (form)</p> <p>Accounts receivable &gt; Sales order &gt; Fiscal information tab (line level)</p>	<p><b>Taxation origin</b> field</p> <p>Select the taxation origin for the item.</p> <p><b>Taxation code</b> grid</p> <p>The settings for the taxes applied to the item.</p> <p><b>Sales tax code</b> field</p> <p>The tax code that is applied to the item.</p> <p><b>Taxation code</b> field</p> <p>View or select the taxation code for the tax code that is applied to the item.</p> <p><b>Fiscal value</b> field</p> <p>View or select the fiscal value for the taxation code.</p>
<p><b>Sales quotation</b> (form)</p> <p>Accounts receivable &gt; Sales quotation &gt; Fiscal information tab (header level)</p>	<p><b>CFPS code</b> field</p> <p>Select the CFPS code for the free text invoice.</p>
<p><b>Sales quotation</b> (form)</p> <p>Accounts receivable &gt; Sales quotation &gt; Fiscal information tab (line level)</p>	<p><b>Taxation origin</b> field</p> <p>Select the taxation origin for the item.</p> <p><b>Taxation code</b> grid</p> <p>The settings for the taxes applied to the item.</p> <p><b>Sales tax code</b> field</p> <p>The tax code that is applied to the item.</p> <p><b>Taxation code</b> field</p>

	<p>View or select the taxation code for the tax code that is applied to the item.</p> <p><b>Fiscal value</b> field</p> <p>View or select the fiscal value for the taxation code.</p>
<p><b>Purchase order</b> (form)</p> <p>Accounts payable &gt; Purchase order&gt; Fiscal information tab (header level)</p>	<p><b>CFPS code</b> field</p> <p>Select the CFPS code for the free text invoice.</p>
<p><b>Purchase order</b> (form)</p> <p>Accounts payable &gt; Purchase order&gt; Fiscal information tab (line level)</p>	<p><b>Taxation origin</b> field</p> <p>Select the taxation origin for the item.</p> <p><b>Taxation code</b> grid</p> <p>The settings for the taxes applied to the item.</p> <p><b>Sales tax code</b> field</p> <p>The tax code that is applied to the item.</p> <p><b>Taxation code</b> field</p> <p>View or select the taxation code for the tax code that is applied to the item.</p> <p><b>Fiscal value</b> field</p> <p>View or select the fiscal value for the taxation code.</p>
<p><b>General journal</b> (form)</p> <p>General ledger &gt; Journals &gt; General Journal &gt; Lines button &gt; Fiscal information tab</p>	<p><b>Taxation code</b> grid</p> <p>The settings for the taxes applied to the item.</p> <p><b>Sales tax code</b> field</p> <p>The tax code that is applied to the item.</p> <p><b>Taxation code</b> field</p> <p>View or select the taxation code for the tax code that is applied to the item.</p> <p><b>Fiscal value</b> field</p> <p>View or select the fiscal value for the taxation code.</p>
<p><b>Invoice pool excl. posting</b> (form)</p> <p>Accounts payable &gt; Journals &gt; Invoices &gt; Invoice pool excl. posting &gt; Fiscal information tab</p>	<p><b>Taxation code</b> grid</p> <p>The settings for the taxes applied to the item.</p> <p><b>Sales tax code</b> field</p> <p>The tax code that is applied to the item.</p> <p><b>Taxation code</b> field</p> <p>View or select the taxation code for the tax code that</p>

	<p>is applied to the item.</p> <p><b>Fiscal value</b> field</p> <p>View or select the fiscal value for the taxation code.</p>
<p><b>Invoice register</b> (form)</p> <p>Accounts payable &gt; Journals &gt; Invoices &gt; Invoice register &gt; Lines button &gt; Fiscal information tab</p>	<p><b>Taxation code</b> grid</p> <p>The settings for the taxes applied to the item.</p> <p><b>Sales tax code</b> field</p> <p>The tax code that is applied to the item.</p> <p><b>Taxation code</b> field</p> <p>View or select the taxation code for the tax code that is applied to the item.</p> <p><b>Fiscal value</b> field</p> <p>View or select the fiscal value for the taxation code.</p>
<p><b>Invoice approval journal</b> (form)</p> <p>Accounts payable &gt; Journals &gt; Invoices &gt; Invoice approval journal &gt; Lines button &gt; Fiscal information tab</p>	<p><b>Taxation code</b> grid</p> <p>The settings for the taxes applied to the item.</p> <p><b>Sales tax code</b> field</p> <p>The tax code that is applied to the item.</p> <p><b>Taxation code</b> field</p> <p>View or select the taxation code for the tax code that is applied to the item.</p> <p><b>Fiscal value</b> field</p> <p>View or select the fiscal value for the taxation code.</p>
<p><b>Invoice journal</b> (form)</p> <p>Accounts payable &gt; Journals &gt; Invoices &gt; Invoice journal &gt; Lines button &gt; Fiscal information tab</p>	<p><b>Taxation code</b> grid</p> <p>The settings for the taxes applied to the item.</p> <p><b>Sales tax code</b> field</p> <p>The tax code that is applied to the item.</p> <p><b>Taxation code</b> field</p> <p>View or select the taxation code for the tax code that is applied to the item.</p> <p><b>Fiscal value</b> field</p> <p>View or select the fiscal value for the taxation code.</p>

## *Fiscal book information*

According Brazilian law, companies must report information about the following fiscal obligations to the Brazilian government:

- Sales and purchase invoices posted
- Inventory transactions
- Fixed assets purchase and depreciation
- Accounting information
- Tax calculations and information
- Customer, vendor, and item information

This information is presented to the government by using two kinds of medias:

- **Paper** – There are several fiscal books that have fiscal content, depending on the information that is included in the book.
- **Files** – There are several electronic files that also contain fiscal content to be sent to the Brazilian government.

An integration that you can use for the books and files to be sent to the Brazilian government is available from a third-party fiscal software vendor, and includes the property layout that is required by the government.

To accommodate the information that is added by the additional software for the fiscal requirements, some modifications were made in Microsoft Dynamics AX, such as increasing the length of fields so that you can set up the information that is required for fiscal reporting.

**Note:** We recommend that you contact your Microsoft Dynamics AX partner for more information.

### **Basic setup for this feature**

Several fields that you will need to use for the fiscal book integration are added to forms. Most of the fields are related to tax parameters or invoice information.

Some of the fields are described below, along with some best practices to use them.

#### **Additional information for customer and vendor master data**

Some fiscal information related to customer and vendor records is required for fiscal books that were applied to their master data in Microsoft Dynamics AX:

- **ICMS Contributor** check box – Indicates if a customer or a vendor is an ICMS contributor. This is required for some fiscal magnetic media.
- **NIT** – A field on customer and vendor forms that you can use to indicate a worker identification number (Número de Identificação do Trabalhador). You can modify this field only if the category is **Person**. It refers to PIS/PASEP/CI, if the person is an individual contributor (CI). It also can be used for the SUS (Sistema Único de Saúde or Previdência Social), instead.
- **INSS-CEI** – A field on customer and vendor forms that indicates special registry on INSS (Cadastro Especial no INSS). You can modify this form only if the category is **Person**.

- **CNAE** – A field on customer and vendor forms that indicates the national classification of company economic activity. This number is related to business activity from customer and vendor.
- **ISS Registration** – A field on customer and vendor forms that indicates that the customer or vendor has registered with their city government for service tax settlements.

### Third party stock control

A **Customer account** field has been added to the **Warehouse** form, where you can enter a customer account to indicate which warehouses that the customer account is associated with. It will be applied only if **Identification group** is set up as **Our stock at third party stock** or **Third party stock at our establishment**.

### IPI tax percentage applied to fiscal classification

Because fiscal classification did not include what IPI percentage is applied, the following fields have been added to the **Fiscal Classification** form to identify the IPI tax percentage applied to fiscal classification:

- **Sales Tax Code** – Identifies what sales tax code is linked to fiscal classification. This will identify what IPI aliquot is applied to this fiscal classification.
- **IPI Aliquot** – The IPI aliquot result when the sales tax code is applied to fiscal classification.

With these new fields, it will be possible to know what IPI aliquot is related to each fiscal classification, as it is stated in TIPI.

### Withholding tax identification

Fiscal books must identify specific withholding taxes. You can indicate the kind of withholding tax that codes are related to in the **Withholding tax type** field in the **Withholding tax code** form.

You can select from the following options:

- **PIS** – Indicates that withholding tax code is related to Social Integration Program.
- **COFINS** – Indicates that the withholding tax code is related to Contribution of Social Security Financing.
- **CSLL** – Indicates that the withholding tax code is related to Social Contribution over Profit.
- **PCC** – Indicates that the withholding tax code is related to summary of all the taxes above.
- **IR** – Indicates that the withholding tax code is related to Income Tax.

### ICMS difference percentage identification

It is mandatory to identify the ICMS different percentage when this kind of tax is used on purchase orders or sales orders. When an ICMS difference percentage is registered as a sales tax code, a new option is available that you can use to identify the sales tax code as an ICMS Difference Percentage.

### Fiscal information on Fixed asset master data

The following fields were added to the **Fixed assets** form so that information related to fixed asset purchases can be used in fiscal book integration. All fields are automatically updated when a fixed asset is purchased.

- **NF Series** – Brazilian invoice series applied to posted vendor invoices that contain related fixed asset purchases



- **NF model** – Brazilian invoice model applied to posted vendor invoices that contain related fixed asset purchases
- **CFOP** – Purchase CFOP used on fixed asset purchases
- **Entry date** – The date when a fixed asset purchase invoice was received in the company
- **Emission date** – The date when a fixed asset purchase invoice was posted and printed by the vendor
- **Vendor name** – The name of the vendor that sells fixed assets to the company
- **Vendor CNPJ** – CNPJ of the vendor that sells fixed assets to the company

## Forms modified for this feature

Refer to the following information about forms and fields in Microsoft Dynamics AX that you will use with this feature.

Form name and locator	Description
<b>Customer (form)</b> Accounts receivable > Customer > Fiscal information tab	<b>ICMS contributor</b> check box Select this check box if the customer or the vendor is an ICMS contributor.
<b>Vendor (form)</b> Accounts Payable > Vendor > Fiscal information tab	<b>NIT</b> field Enter the worker identification number for the customer or the vendor if it is a physical entity. <b>INSS-CEI</b> field Enter the INSS registry for the customer or the vendor if it is a physical entity. <b>CNAE</b> field Enter the number that represents the national classification of a customer's or a vendor's economic activity. The number is assigned by the Brazilian federal government. <b>ISS registration</b> field Enter the ISS registration for a customer or vendor that conducts service trade with company.
<b>Warehouse (form)</b> Inventory management > Setup > Inventory breakdown	<b>Customer account</b> field Enter the customer account information if the warehouse contains company goods, but they are owned by a customer in the customer establishment, or if a customer has goods that are stored in your company warehouse. This is only possible if the entry in the <b>Identification Group</b> field is <b>Our stock at third party stock</b> or <b>Third party stock at our establishment</b> .
<b>Fiscal classification (form)</b> Basic > Setup > Brazil	<b>Sales tax code</b> field Enter the sales tax code that provides the IPI aliquot related to the fiscal classification, according to TIPI – Goods Industrialized Tax Table. For example, if the fiscal classification has five percent of IPI aliquot, you must select a sales tax code that

	<p>has sales tax type as <b>IPI</b> and value as 5,00.</p> <p><b>IPI Aliquot</b> field</p> <p>The aliquot in the <b>Value</b> form from the sales tax code that you select.</p>
<p><b>Withholding tax code (form)</b></p> <p>General ledger &gt; Setup &gt; Withholding tax &gt; Withholding tax code &gt; General tab</p>	<p><b>Withholding tax type</b> field</p> <p>Select the withholding tax related to the withholding tax code.</p>
<p><b>Sales tax code (form)</b></p> <p>General ledger &gt; Setup &gt; Sales tax &gt; Sales tax code &gt; Calculation tab</p>	<p><b>ICMS difference percentage</b> check box</p> <p>Select this check box if the sales tax code is an ICMS difference percentage tax.</p>
<p><b>Value models (form)</b></p> <p>General ledger &gt; Fixed assets &gt; Value model button &gt; Purchase/Sale tab</p>	<p><b>NF series</b> field</p> <p>The type of invoice received for the fixed asset purchase.</p> <p><b>NF Model</b> field</p> <p>The type of invoice model received for the fixed asset purchase.</p> <p><b>CFOP</b> field</p> <p>The CFOP type on the invoice that was received for the fixed asset purchase.</p> <p><b>Entry date</b> field</p> <p>The date when the fixed asset purchase invoice was received in the company.</p> <p><b>Emission date</b> field</p> <p>The date when fixed asset purchase invoice was posted and printed in the vendor journal.</p> <p><b>Vendor name</b> field</p> <p>The name of the vendor who sold the fixed asset to company.</p> <p><b>Vendor CNPJ</b> field</p> <p>The CNPJ of the vendor who sold the fixed asset to company.</p>

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