

# ONESOURCE™ INDIRECT TAX INTEGRATION FOR SAP (BASIC US/CA)-5.2B

## US/CA TAX CONFIGURATION GUIDE

VERSION 5.2.2.0B

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# ABOUT THIS GUIDE

The Standard SAP Tax Interface supports tax calculations for the US and Canada (US/CA). To enable US/CA tax integration, you must install the Basic ONESOURCE Indirect Tax Integration for SAP, and then configure it as shown in this guide.

Once Integration is complete, your SAP implementation can leverage the full set of calculation, auditing, and reporting features of ONESOURCE Indirect Tax for the US or Canada.

## HOW THIS GUIDE IS ORGANIZED

This guide contains the following chapters:

- **OVERVIEW (page 3)** describes the tax interface on a high level using flow diagrams, and it describes the prerequisites to support Integration between SAP and Determination.
- **CONFIGURING SAP TO USE ONESOURCE INDIRECT TAX FOR US AND CANADA TAX (page 7)** describes the steps necessary in FI, SD, MM and user exits to enable US/CA sales and purchasing transactions to calculate taxes using Determination.
- **SAMPLE ORDER-TO-CASH SCENARIO (page 57)** shows a complete sales transaction, including tax results, after implementing Integration and Determination.
- **SEPARATING RECOVERABLE AND NON-RECOVERABLE TAXES (page 67)** describes how to separate non-recoverable taxes from recoverable taxes.

## PREREQUISITES

Before performing any of the tasks found in this guide, you must have installed the Basic Integration for SAP and enabled RFCS in SAP to communicate with Determination as described in *ONESOURCE Indirect Tax Integration for SAP Installation and RFC Configuration Guide*.

Before working with this guide, you must have a deep knowledge of the SAP tax features, covering all aspects of FI, MM, and SD, and have spent significant time either as an expert configurator or consultant in these areas.

ONESOURCE Indirect Tax recommends that you assemble a team to implement this product because it requires both functional and technical input. Your team should include someone who thoroughly understands business requirements and processes, as well as someone who can implement the required software changes.

## WHO SHOULD USE THIS GUIDE

This guide is intended for use by SAP programmers and functional analysts having a knowledge of SAP FI, SD, and MM who are responsible for implementing ONESOURCE Indirect Tax in a customer's SAP system. These programmers and analysts must have a thorough understanding of the overall processing logic of the Standard SAP Tax Interface and the configuration needed to enable that logic. The examples in this guide are taken from SAP ECC 6.0.

# OVERVIEW

To understand the configurations and technical changes proposed in this guide, you first need to know how the Standard SAP Tax Interface is designed and the methods that SAP provides to change or manipulate tax data in the Standard Tax Interface. This chapter provides an overview of these areas.

For more information, see ***PROCESS FLOWS (page 4)***.

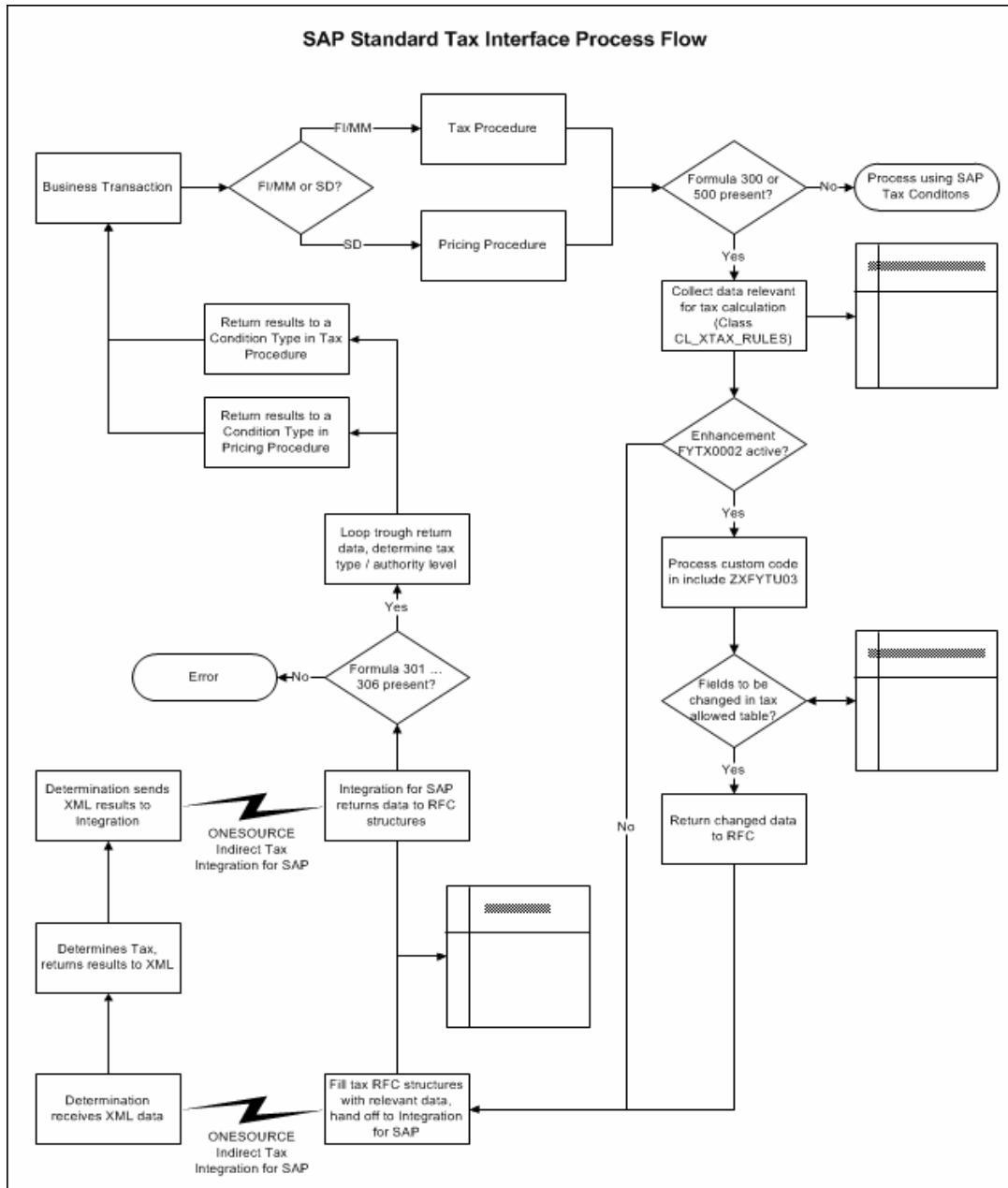


*We recommend that you review all relevant notes to the SAP Tax Interface on the SAP Support Web. Our Professional Services team has compiled a list of important OSS notes that they have encountered in their support of new ONESOURCE Indirect Tax implementation projects. (page 6).*

## PROCESS FLOWS

## STANDARD SAP TAX INTERFACE

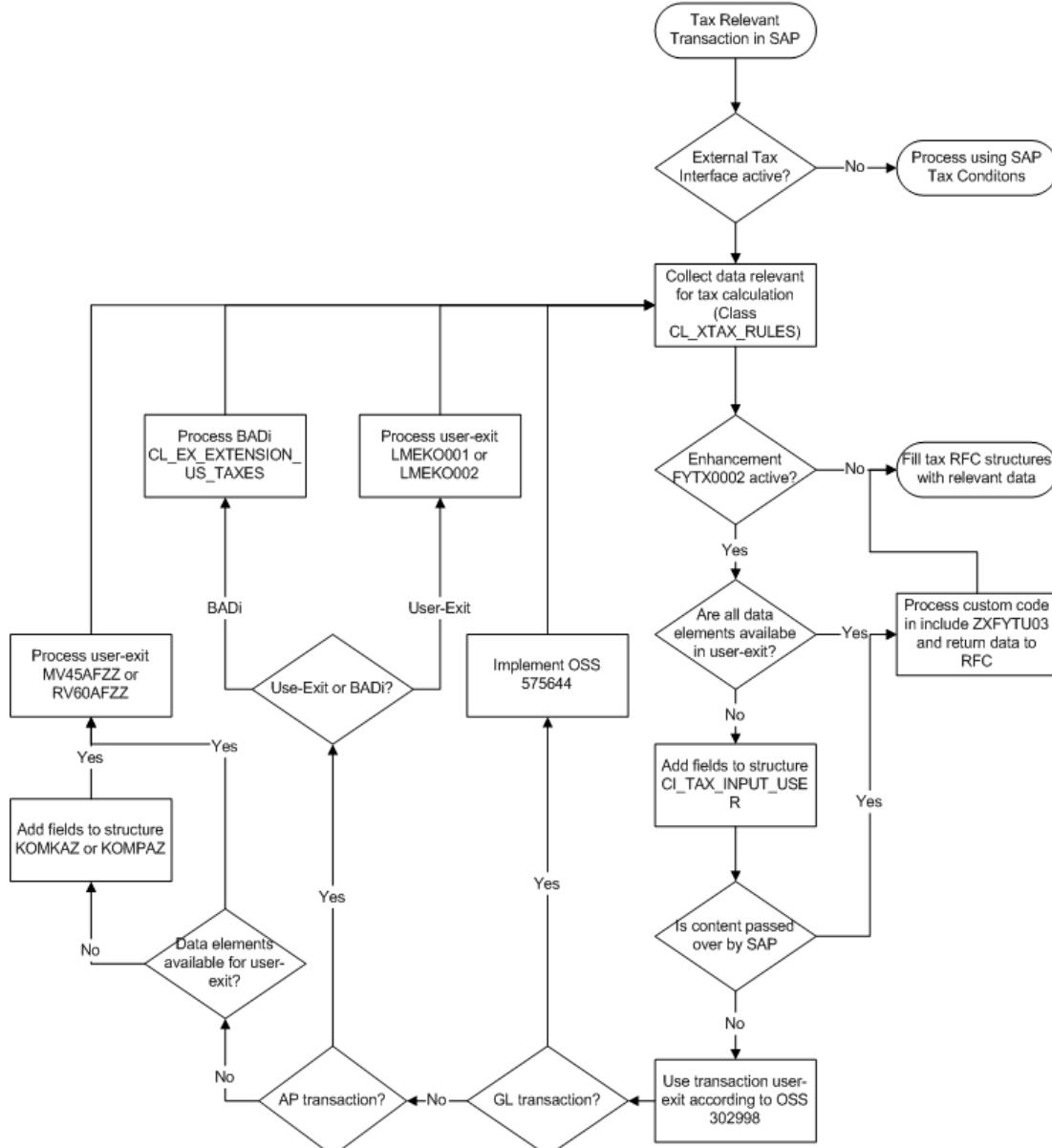
The following process flow describes the Standard SAP Tax Interface processing logic provided out-of-the-box by SAP.



## USER EXIT

SAP has several areas in the tax processing logic where customers can implement their own business requirements using a user exit or a BAdI (Business Add-In). The following process flow shows the areas in which these methods could be implemented.

**SAP Tax User-Exit Processing**



## OSS NOTES

We recommend that you review all relevant notes to the SAP Tax Interface on the SAP Support Web. Our Professional Services team has compiled a list of important OSS notes that they have encountered in their support of new ONESOURCE Indirect Tax implementation projects.

Please review KB

[https://customer.sabrix.com/app/answers/detail/a\\_id/1122](https://customer.sabrix.com/app/answers/detail/a_id/1122)

with a list of known possible notes relevant to integrating SAP and ONESOURCE Integration with SAP. It is also recommended that you do a search in SAP at <http://service.sap.com/notes> for tax relevant notes in the core Application Areas XX-PART-TIF, CRM-BF-TAX, AP-TTE, but there are others relevant as well.



We have provided a partial tax interface-related OSS notes list in the KB article but there may be other OSS notes which could be applicable to your installation which are not in this list. We recommend that you review all available OSS notes on the SAP support website.

# CONFIGURING SAP TO USEONESOURCE INDIRECT TAX FOR US AND CANADA TAX

This chapter addresses the configurations and master data maintenance you need to perform in the FI, SD, and MM modules of SAP to enable tax calculation using ONESOURCE Indirect Tax Determination for US and Canada (US/CA).

To enable US and Canada transactions, you must follow the steps described in the following sections:

- ***FI CONFIGURATIONS (page 8)***
- ***SD CONFIGURATIONS (page 27)***
- ***MM CONFIGURATIONS (page 36)***
- ***MAINTAINING MASTER DATA (page 41)***

## REQUIRED CONFIGURATIONS

For the United States (US) and Canada (CA), SAP provides tax procedures called **TAXUSX** and **TAXCAX** respectively. These tax procedures work in conjunction with the pricing procedure called **RVAXUD**. SAP recommends that you use pricing procedure **RVAXUD** since it allows max tax calculation by the external tax engine. Max tax calculations are not possible using the SAP native tax functionality. This is another advantage of using Determination for your tax calculations.

There are three key SAP modules—FI, SD, and MM—where you need to make the IMG configurations. These changes will activate the tax interface so that it sends transactions from Order to Cash, Procure to Pay and FI to Determination. This guide describes required configurations, as well as master data maintenance for jurisdiction code determination and condition type maintenance for tax code selection in SD and MM.

You may require additional configurations according to your business needs. To get the most accurate tax results, you need to make sure that Determination and SAP have been configured to account for your specific business scenarios.

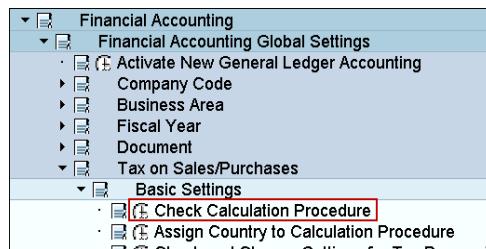
## FI CONFIGURATIONS

FI configurations require successful completion of these procedures:

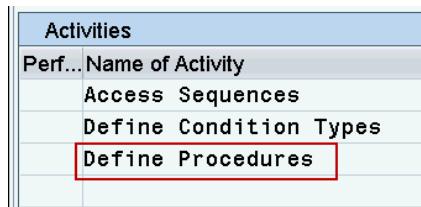
- **VERIFYING THAT TAXUSX AND TAXCAX PROCEDURES ARE ON YOUR SYSTEM (page 8)**
- **ASSIGNING THE COUNTRY TO THE TAX PROCEDURE(CALCULATION PROCEDURE) (page 11)**
- **CHECKING AND UPDATING SETTINGS FOR THE TAX PROCEDURE(ACCOUNT KEYS/PROCESSES) (page 12)**
- **SPECIFYING THE STRUCTURE FOR THE TAX JURISDICTION CODE (page 14)**
- **DEFINING NUMBER RANGES FOR EXTERNAL TAX CALCULATION (page 16)**
- **DEFINING THE PHYSICAL DESTINATION (RFC) ACCOUNT (page 17)**
- **ACTIVATING EXTERNAL TAX CALCULATION (page 17)**
- **ACTIVATING EXTERNAL UPDATING (page 19)**
- **MAINTAINING CANADIAN PROVINCES (OVK2) (page 20)**
- **DEFINING TAX CODES ON SALES AND PURCHASES (page 21)**

### VERIFYING THAT TAXUSX AND TAXCAX PROCEDURES ARE ON YOUR SYSTEM

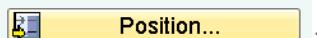
1. From IMG, navigate to **Financial Accounting > Financial Accounting Global Settings > Tax on Sales/Purchase > Basic Settings > Check Calculation Procedure**.



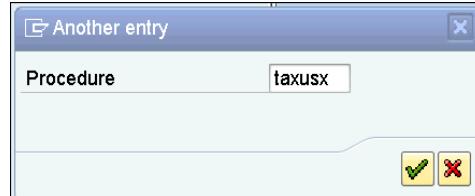
2. Set the cursor on **Check Calculation Procedure** and click .



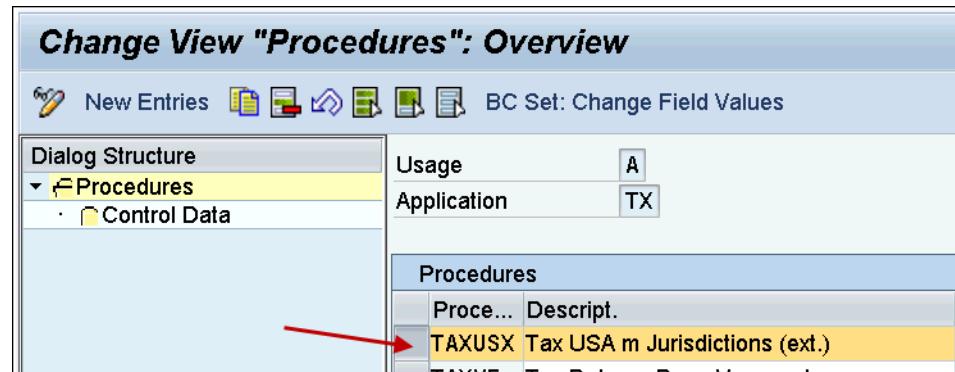
3. Highlight **Define Procedures** and double-click it.

4. On the following screen, click .

5. Enter **TAXUSX** in the pop-up window.



6. Highlight **TAXUSX**.



7. Double-click the  icon to display the details of **TAXUSX** tax procedure.

Procedure		TAXUSX Tax USA m Jurisdictions (ext.)												
Control Data		Reference Step Overview												
Step	Cou...	CTyp	Description	Fro	To	Ma...	Re...	Stat...	P.Su	Tot	Reqt	CalType	BasTy...	AccKey
500	0		Accrued			<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>						
510	0	XR1	A/R Sales Tax 1	100		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				301		MW1
520	0	XR2	A/R Sales Tax 2	100		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				302		MW2
530	0	XR3	A/R Sales Tax 3	100		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				303		MW3
540	0	XR4	A/R Sales Tax 4	100		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				304		MW4
550	0	XR5	A/R Sales Tax 5	100		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				305		MW4
560	0	XR6	A/R Sales Tax 6	100		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				306		MW4

8. Repeat the same steps for **TAXCAX** to see the details.

Procedure		TAXCAX Tax Canada Jurisdictions (ext.)												
Control Data		Reference Step Overview												
Step	Cou...	CTyp	Description	Fro	To	Ma...	Re...	Stat...	P.Su	Tot	Reqt	CalType	BasTy...	AccKey
500	0		Accrued			<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>						
510	0	XR1	A/R Sales Tax 1	100		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				301		MW1
520	0	XR2	A/R Sales Tax 2	100		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				302		MW2
530	0	XR3	A/R Sales Tax 3	100		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				303		MW3
540	0	XR4	A/R Sales Tax 4	100		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				304		MW4
550	0	XR5	A/R Sales Tax 5	100		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				305		MW4
560	0	XR6	A/R Sales Tax 6	100		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				306		MW4

In this example, the Canada tax procedure is the same as the **TAXUSX** procedure. If you do not have **TAXCAX** in the list of procedures available to you, you can create one like we have done here by copying the **TAXUSX** procedure. Create **TAXCAX** as in step 5 above and use step 7 to add new entries to the control data. Use the control data from **TAXUSX** and copy to **TAXCAX**. By

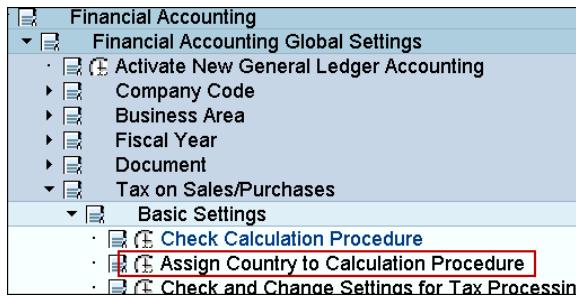
replicating the **TAXUSX** into a new procedure for Canada you are keeping a single procedure to a given company code and can later configure different G/L accounts for Canada taxes, etc.



If you need to split recoverable and non-recoverable taxes for GST or any other Canadian taxes in separate G/L accounts, see *SEPARATING RECOVERABLE AND NON-RECOVERABLE TAXES* (page 67). This tax procedure (**TAXCAX**) only brings the total GST and other tax results from ONESOURCE Indirect Tax. It does not separate recoverable from non-recoverable taxes.

## ASSIGNING THE COUNTRY TO THE TAX PROCEDURE (CALCULATION PROCEDURE)

1. From IMG, navigate to **Financial Accounting > Financial Accounting Global Settings > Tax on Sales/Purchase > Basic Settings > Assign Country to Calculation Procedure.**



2. Set the cursor on **Assign Country to Calculation Procedure** and click .

3. Click .

4. On the pop-up window, enter the **Country US**.



5. Assign the tax procedure to the **US**.

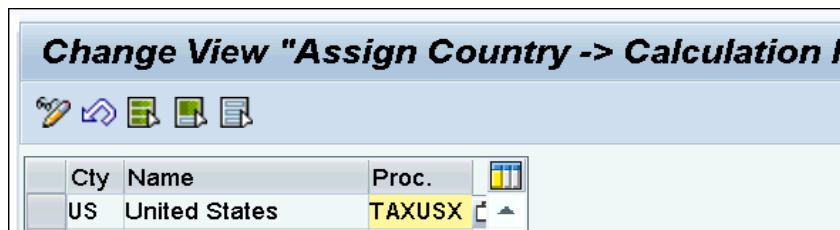
Repeat the same steps for country **Canada** and assign the tax procedure **TAXCAX** to it.



If you need to make any major modifications to the tax procedures, SAP recommends that you make a copy starting the name with the letter Z (for example, **ZUSTAX** or **ZCATA**X), as shown in the example below. You can then make the modifications. Make sure that you assign this modified tax procedure to the relevant country.

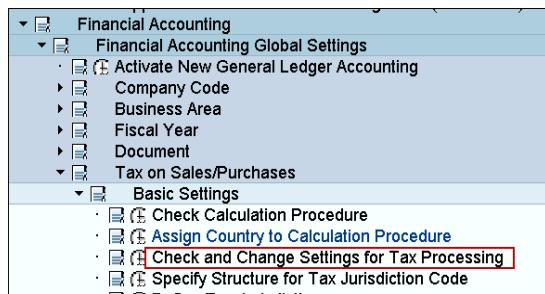


Multiple countries can call the same tax procedure depending upon your business requirements, chart of account configurations, or your need to simplify G/L posting.

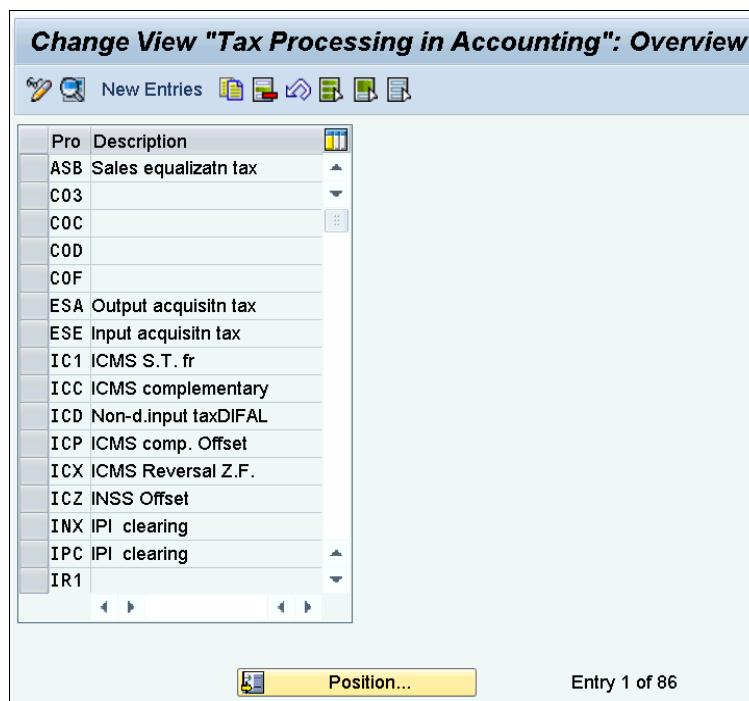


## CHECKING AND UPDATING SETTINGS FOR THE TAX PROCEDURE (ACCOUNT KEYS/PROCESSES)

1. From IMG, navigate to **Financial Accounting > Financial Accounting Global Settings > Tax on Sales/Purchase > Basic Settings > Check and Change Settings for Tax Processing.**
2. Set the cursor on **Check and Change Settings for Tax Processing** and click .



3. Click the **Position** button.



4. On the popup window, enter the relevant keys (such as NVV below) for **TAXUSX** and **TAXCAX**.



5. Highlight **NVV**.

**Change View "Tax Processing in Accounting": Overview**

New Entries

Pro	Description
NVV	Purchase Tax 1
PT3	

6. Click  to see the details. The following configuration applies to **NVV**:

**Change View "Tax Processing in Accounting": Details**

New Entries

Process **NVV**

**General details**

Description	Purchase Tax 1
Tax type	<input checked="" type="checkbox"/> 2 Input tax
Not deductible	<input checked="" type="checkbox"/>
Posting Indic.	<input checked="" type="checkbox"/> 3 Distribute to relevant expense/revenue items
Not discnt rel.	<input type="checkbox"/>

For **TAXUSX** and **TAXCAX**, the following account keys are applicable: **NVV, VS1, VS2, VS3, VS4, MW1, MW2, MW3 and MW4**.

7. Repeat the steps to see the details on other account keys. The following configuration applies to **VS1, VS2, VS3, and VS4**:

**Change View "Tax Processing in Accounting": Details**

New Entries

Process **VS1**

**General details**

Description	Purchase tax 1
Tax type	<input checked="" type="checkbox"/> 2 Input tax
Not deductible	<input type="checkbox"/>
Posting Indic.	<input checked="" type="checkbox"/> 2 Separate line item
Not discnt rel.	<input type="checkbox"/>

The following configuration applies to **MW1, MW2, MW3, and MW4**:

**Change View "Tax Processing in Accounting": Details**

New Entries

Process **MW1**

**General details**

Description	Sales tax 1
Tax type	<input checked="" type="checkbox"/> 1 Output tax
Not deductible	<input type="checkbox"/>
Posting Indic.	<input checked="" type="checkbox"/> 2 Separate line item
Not discnt rel.	<input type="checkbox"/>

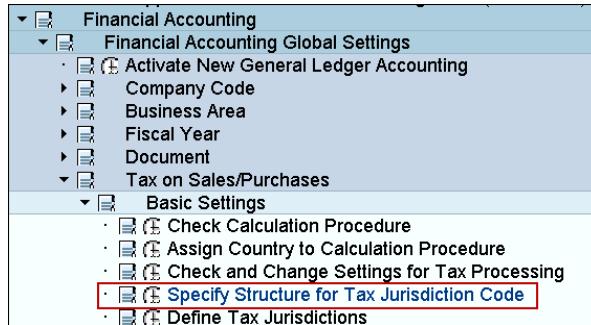


SAP has provided these account keys with out-of-the-box configurations. Please do not change the settings on these account keys. If necessary, make a copy of these account keys and then change the settings.

The default configuration for **NVV** does not enable auditing of tax amounts in ONESOURCE Indirect Tax audit database because the taxes are distributed to relevant expense/revenue accounts in SAP.

## SPECIFYING THE STRUCTURE FOR THE TAX JURISDICTION CODE

- From IMG, navigate to **Financial Accounting > Financial Accounting Global Settings > Tax on Sales/Purchase > Basic Settings > Specify Structure for Tax Jurisdiction Code.**



- Set the cursor on **Specify Structure for Tax Jurisdiction Code** and click .
- Find the tax procedure **TAXUSX**.
- Modify **TAXUSX** as shown here with jurisdiction structure 4-5-4-1:

Change View "Jurisdiction Code Structure": O						
	Schema	Name	Lg	Lg	Lg	Tx In
	TAXUSX	tax calculation with Sabrix	4	5	4	1
	7TAXAR	Sales tax Argentina	2	1		

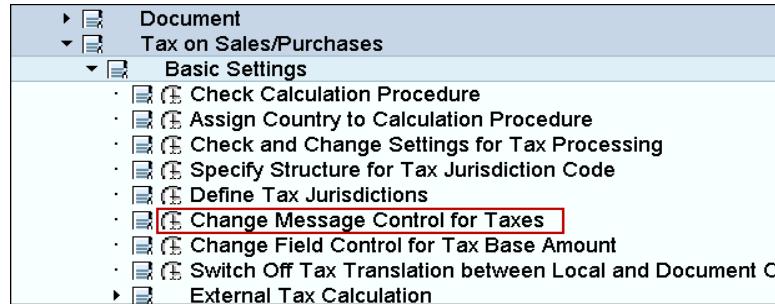
- Find the tax procedure **TAXCAX**.
- Modify **TAXCAX** as shown here with jurisdiction structure 2-2. If you had to create tax procedure **TAXCAX**, then you will also have to create this schema as a new entry to the list.

Change View "Jurisdiction Code Structure"						
	Schema	Name	Lg	Lg	Lg	Tx In
	TAXCAX	Canada Onesource structure	2	2		
	TAXTF		3			

- Save your work.

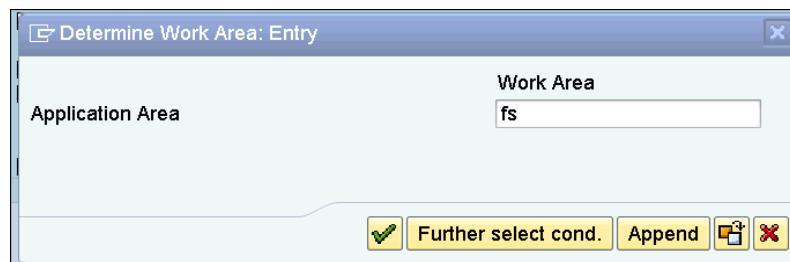
## Changing the Message Control for Taxes

1. From IMG, navigate to **Financial Accounting > Financial Accounting Global Settings > Tax on Sales/Purchase > Basic Settings > Change Message Control for Taxes.**



2. Set the cursor on **Change Message Control for Taxes** and click .

3. Define Application area FS as on the example below:



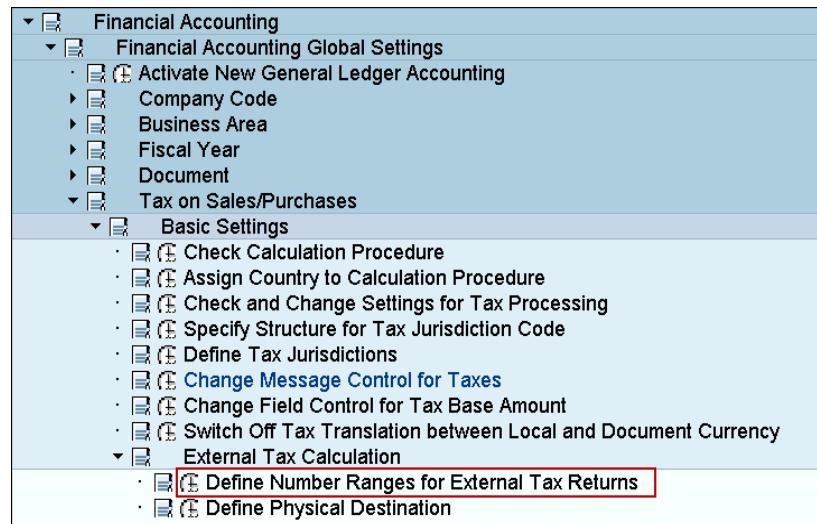
4. Define message 885 as shown below:

Change View "Message Control by User": Overview						
Area		Message Control by User				
MsgNo	Message Text	User Na...	Online	Batchl	Standard	
219	G/L account & is relevant to tax; check code		W	-	W	
219	G/L account & is relevant to tax; check code	ALE	-	-	W	
885	Posting in foreign currency not allowed for external tax		W	W	-	

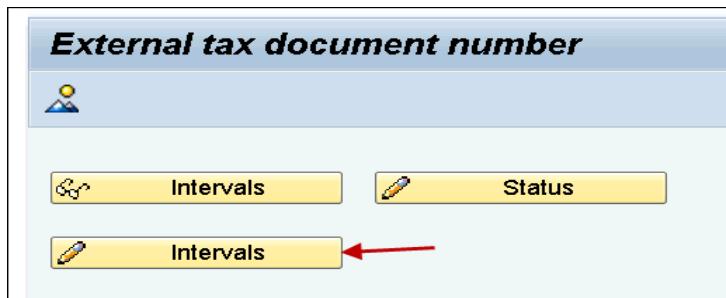
5. Save your work.

## DEFINING NUMBER RANGES FOR EXTERNAL TAX CALCULATION

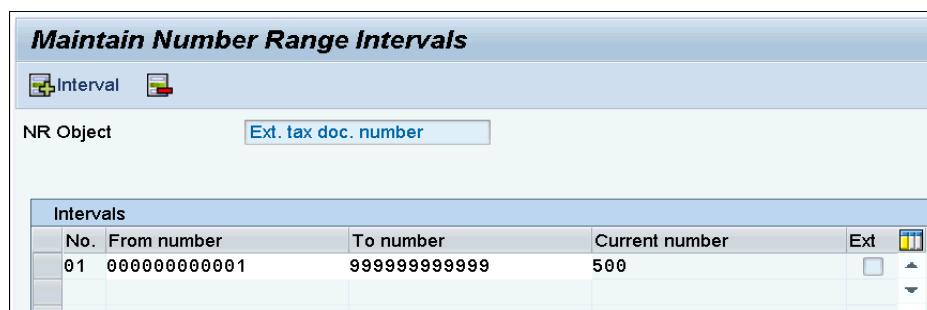
- From IMG, navigate to **Financial Accounting > Financial Accounting Global Settings > Tax on Sales/Purchase > Basic Settings > External Tax Calculation > Define Number Ranges for External Tax Returns.**



- Set the cursor on **Define Number Ranges for External Tax Returns** and click . The next screen is as shown here:



- Define the number range as shown below:



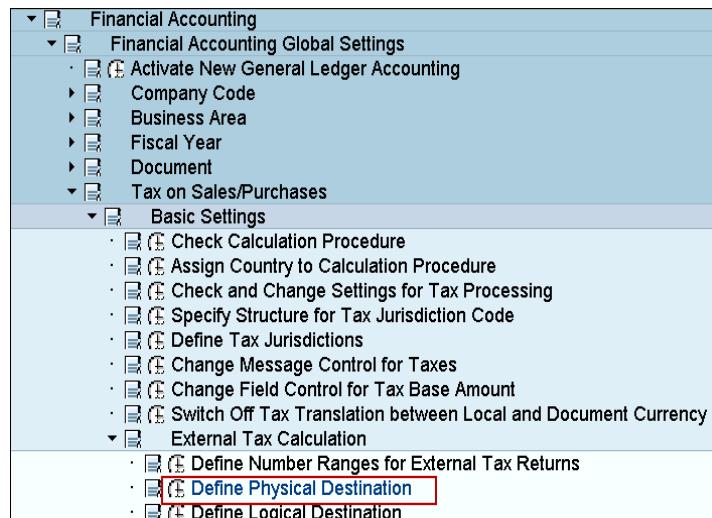
Never make this number range external by checking the **Ext** check box. Always leave blank

- Save your work.

## DEFINING THE PHYSICAL DESTINATION (RFC) ACCOUNT

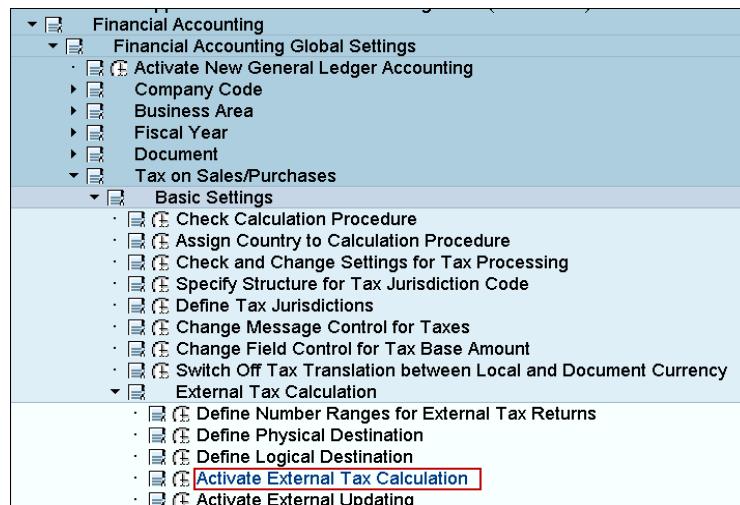
1. From IMG, navigate to **Financial Accounting > Financial Accounting Global Settings > Tax on Sales/Purchases > Basic Settings > External Tax Calculation > Define Physical Destination (RFC) Account.**

This step has been described in detail in *Integration for SAP Installation and RFC Configuration Guide*, and you should have already tested the configuration as shown in that guide. You do not need to perform any additional configuration here.



## ACTIVATING EXTERNAL TAX CALCULATION

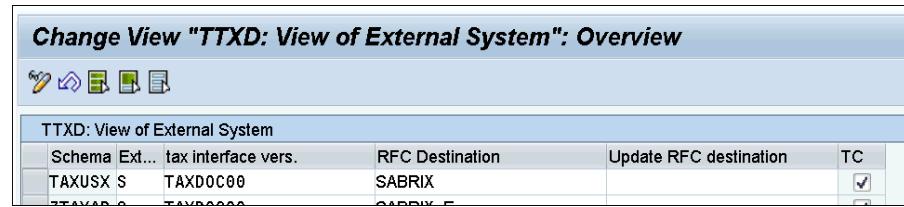
1. From IMG, navigate to **Financial Accounting > Financial Accounting Global Settings > Tax on Sales/Purchases > Basic Settings > External Tax Calculation > Activate External Tax Calculation.**



2. Set the cursor on **Activate External Tax Calculation** and click

3. Maintain the data as shown below for tax procedures **TAXUSX** and **TAXCAX**.

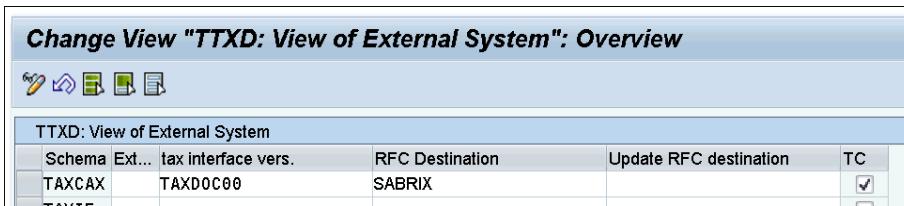
**Change View "TTXD: View of External System": Overview**



The screenshot shows the SAP TTXD: View of External System Overview screen. It displays a table with the following data:

Schema	Ext... tax interface vers.	RFC Destination	Update RFC destination	TC
TAXUSX S	TAXDOC00	SABRIX	<input type="checkbox"/>	<input checked="" type="checkbox"/>
TAXCAX	TAXDOC00	SABRIX	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**Change View "TTXD: View of External System": Overview**



The screenshot shows the SAP TTXD: View of External System Overview screen. It displays a table with the following data:

Schema	Ext... tax interface vers.	RFC Destination	Update RFC destination	TC
TAXCAX	TAXDOC00	SABRIX	<input type="checkbox"/>	<input checked="" type="checkbox"/>

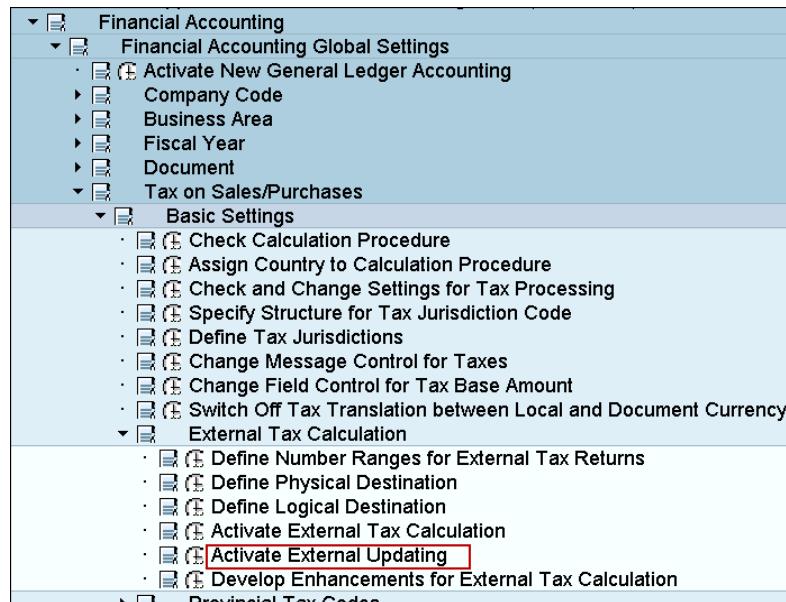
4. Save your work.



If you have configured a custom tax procedure and assigned it to a country, be sure that you have also done the configuration above. If you do not do this, the call to ONESOURCE Indirect Tax will not be made.

## ACTIVATING EXTERNAL UPDATING

1. From IMG, navigate to **Financial Accounting > Financial Accounting Global Settings > Tax on Sales/Purchases > Basic Settings > External Tax Calculation > Activate External Updating.**



2. Set the cursor on **Activate External Updating** and click .

3. Check the **Active** check box.

Change View "View for Component EXTX": Overview			
    			
Component	To year	Activ	
EXTX	2999	<input checked="" type="checkbox"/>	 

4. Save your work.



This is only a one-time configuration, and if you do not complete this step, tax results will not be audited in Determination audit database.

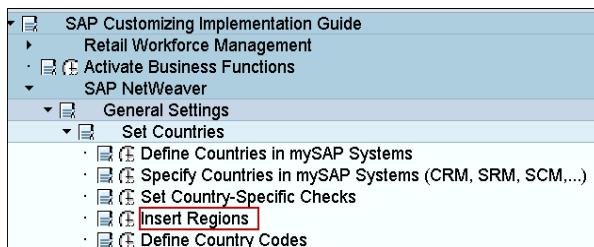
## MAINTAINING CANADIAN PROVINCES (OVK2)

You must change some of the province codes in SAP to ensure compatibility with Determination. Refer to OSS note 548753.

- Change *NL* (Newfoundland) to *NF*.
- Change *NN* (Nunavut) to *NU*.

ONESOURCE Indirect Tax also recommends removing province code **ZZ** because it is not a valid Canadian Province.

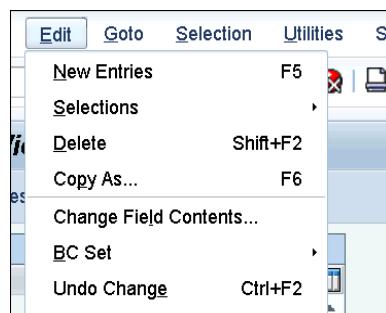
1. From IMG, navigate to **General Settings > Set Countries > Insert Region**.



2. Highlight **CA - NL** and select it.

Regions		
Country	Region	Description
CA	NL	Newfoundland

3. Select **Copy As** from the **Edit** menu.



4. Replace *NL* with *NF*.

Change View "Regions": Overview		
<a href="#">New Entries</a>		
Regions		
Country	Region	Description
CA	NF	Newfoundland

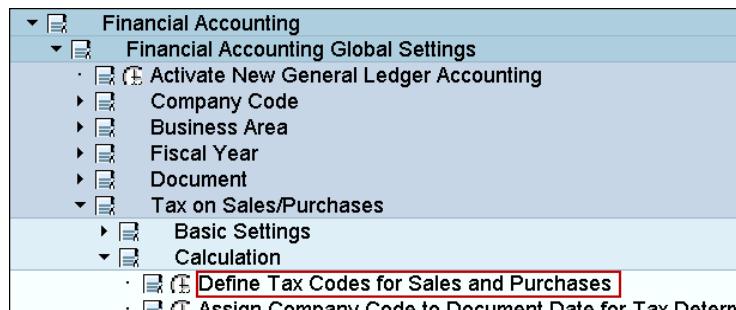
You will have two entries now: **CA - NF** and **CA - NL**.

5. Delete **CA - NL** and save your work.

Change View "Regions": Overview		
<span style="color: #0070C0;">New Entries</span> <span style="color: #0070C0;">New</span> <span style="color: #0070C0;">Edit</span> <span style="color: #0070C0;">Delete</span> <span style="color: #0070C0;">Copy</span> <span style="color: #0070C0;">Print</span>		
<b>Regions</b>		
Country	Region	Description
CA	NF	Newfoundland
CA	NL	Newfoundland
CA	NN	Nunavut

## DEFINING TAX CODES ON SALES AND PURCHASES

1. From IMG, navigate to **Financial Accounting > Financial Accounting Global Settings > Tax on Sales/Purchases > Calculation > Define Tax Codes for Sales and Purchases.**



2. Click on **Define Tax Codes on Sales and Purchases** and click .

### Create Tax Code O1 - A/R Taxes (Sales)

1. Select the **Country US**.



2. Enter the **Tax Code O1**.



3. Click **Properties** to open the Properties popup. Modify the fields:

- Set the **Tax Type** to *A*;
- Set the **Tax Category** to *0* or leave blank.

**Maintain Tax Code: Tax Rates**

Properties		Tax accounts	Deactivate line
Country Key	US	United States	
Tax Code	01	Sales Output Taxes	
Procedure	ZTXUSX		
Tax type	A	Output tax	

**Percentage rates**

Tax Type	Acct	Key	Tax Percent.	Rate	Level	From Lvl	Cond. Type
Base Amount					100	0	BASB
<b>Properties</b> Tax Code: 01 Sales Output Taxes Tax type: A Output tax CheckID EU code Target tax code Tgt Tax Code: Output Tgt Tax Code: Input Tol.per.rate Relevant to tax Tax category: 0							

4. In the accrual block, levels 510 to 550, you must set **Tax Percent** to 100.

**Maintain Tax Code: Tax Rates**

Properties		Tax accounts	Deactivate line
Country Key	US	United States	
Tax Code	01	Sales Output Taxes	
Procedure	ZTXUSX		
Tax type	A	Output tax	

**Percentage rates**

Tax Type	Acct	Key	Tax Percent.	Rate	Level	From Lvl	Cond. Type
A/P Sales Tax 2 Exp.	VS2				320	100	XP2E
A/P Sales Tax 3 Exp.	VS3				330	100	XP3E
A/P Sales Tax 4 Exp.	VS4				340	100	XP4E
A/P Sales Tax 5 Exp.	VS4				350	100	XP5E
A/P Sales Tax 6 Exp.	VS4				360	100	XP6E
*					0	0	
A/P Sales Tax 1 Use	MW1				410	210	XP1U
A/P Sales Tax 2 Use	MW2				420	220	XP2U
A/P Sales Tax 3 Use	MW3				430	230	XP3U
A/P Sales Tax 4 Use	MW4				440	240	XP4U
A/P Sales Tax 5 Use	MW4				450	250	XP5U
A/P Sales Tax 6 Use	MW4				460	260	XP6U
*					0	0	
A/R Sales Tax 1	MW1		100.000		510	100	XR1
A/R Sales Tax 2	MW2		100.000		520	100	XR2
A/R Sales Tax 3	MW3		100.000		530	100	XR3
A/R Sales Tax 4	MW4		100.000		540	100	XR4
A/R Sales Tax 5	MW4		100.000		550	100	XR5
A/R Sales Tax 6	MW4		100.000		560	100	XR6

5. Save your work.

## Create Tax Code I1 - A/P Taxes (Input)

1. Repeat the prior process for Tax Code I1. Modify the **Properties** fields:

- Set the **Tax Type** to *V*.
- Set the **Tax Category** to *0* or leave blank.

Maintain Tax Code: Tax Rates				Properties			
Properties		Tax accounts		Deactivate line			
Country Key	US	United States		CheckID		EU code	
Tax Code	I1	Sabrix Sale		Target tax code		Tgt Tax Code: Output	
Procedure	ZTXUSX			Tgt Tax Code: Input		Tol.per.rate	
Tax type	V	Input tax		Relevant to tax		Tax category	0
Percentage rates							
Tax Type	Acct	Key	Tax Percent				
Base Amount				100.000	210	100	XP1I
*				100.000	220	100	XP2I
*				100.000	230	100	XP3I
A/P Sales Tax 1 Inv.	NVV			100.000	240	100	XP4I
A/P Sales Tax 2 Inv.	NVV			100.000	250	100	XP5I
A/P Sales Tax 3 Inv.	NVV			100.000	260	100	XP6I
A/P Sales Tax 4 Inv.	NVV						
A/P Sales Tax 5 Inv.	NVV						
A/P Sales Tax 6 Inv.	NVV						

2. In the accrual block, levels **210** to **260**, you must set **Tax Percent** to *100*.

3. Save your work.

## Tax Code: U1 - A/P Taxes (Self-Assessment)

See *Recommended Tax Codes for US and Canada (page 24)* for US and Canada tax codes.

1. Create Tax Code U1 - A/P Taxes (Self-Assessment).
2. Modify the **Properties** fields:

- Set the **Tax Type** to **V**.
- Set the **Tax Category** to **1**.

**Maintain Tax Code: Tax Rates**

Properties		Tax accounts		Deactivate line		Self Assess	
Country Key	US	United				U1	Self Assess
Tax Code	U1	Self As				V	Input tax
Procedure	ZTXUSX						
Tax type	V	Input t					
<b>Percentage rates</b>							
Tax Type	Acct	Key	Tax Pe				
Base Amount							
*							
A/P Sales Tax 1 Inv.	NVV		100.000	210	100		XP1I
A/P Sales Tax 2 Inv.	NVV		100.000	220	100		XP2I
A/P Sales Tax 3 Inv.	NVV		100.000	230	100		XP3I
A/P Sales Tax 4 Inv.	NVV		100.000	240	100		XP4I
A/P Sales Tax 5 Inv.	NVV		100.000	250	100		XP5I
A/P Sales Tax 6 Inv.	NVV		100.000	260	100		XP6I
*				0	0		

- Set Levels **210** to **260** to a **Tax Percent Rate** of **100**.
- On the same screen, set Levels **410** to **460** to a **Tax Percent Rate** of **100.000**.

A/P Sales Tax 1 Use	MW1	100.000-	410	210	XP1U
A/P Sales Tax 2 Use	MW2	100.000-	420	220	XP2U
A/P Sales Tax 3 Use	MW3	100.000-	430	230	XP3U
A/P Sales Tax 4 Use	MW4	100.000-	440	240	XP4U
A/P Sales Tax 5 Use	MW4	100.000-	450	250	XP5U
A/P Sales Tax 6 Use	MW4	100.000-	460	260	XP6U
*			0	0	

- Save your work and then create the same tax codes for Canada.

### Recommended Tax Codes for US and Canada

Use values in the following table to complete the procedure above.

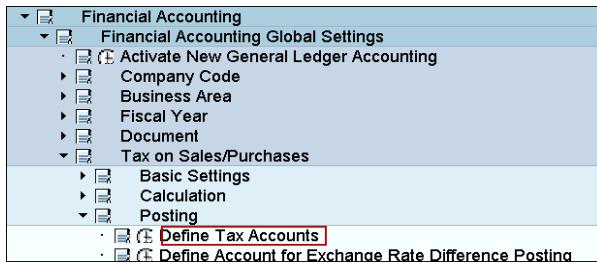
US and Canada Tax Codes							
Country	Tax Procedure	Tax Code	Description			Tax Type	Tax Category
US	TAXUSX	O1	AR - Taxes			A	0
US	TAXUSX	I1	AP - Taxes (Input)			V	0
US	TAXUSX	U1	AP - Taxes (Self Assessment)			V	1
CA	TAXCAX	O1	AR - Taxes			A	0
CA	TAXCAX	I1	AP - Taxes (Input)			V	0
CA	TAXCAX	U1	AP - Taxes (Self Assessment)			V	1

Based on the properties of the tax code, Integration provides the following Company Role (Buyer or Seller) to Determination.

Company Role based on Tax Type			
Tax Type	Description	Tax Category	ONESOURCE Indirect Tax Company Role
A	Output Tax	Must be 0 or Blank; no other flags are allowed.	S - Seller
V	Input Tax	If 0 or Blank	S - Seller
V	Input Tax	1	B - Buyer

## Defining Tax Accounts

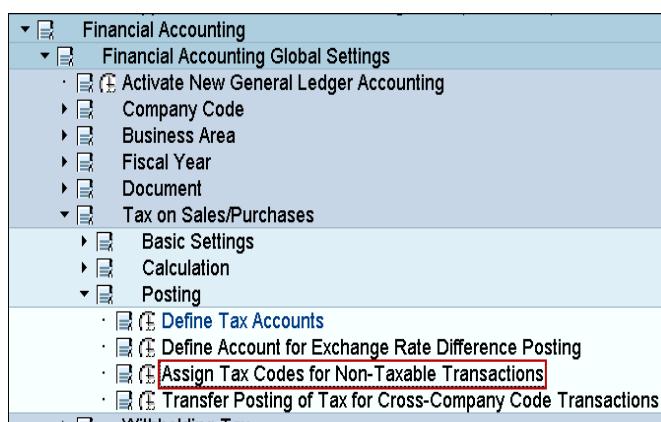
From IMG, navigate to **Financial Accounting > Financial Accounting Global Settings > Tax on Sales/Purchases > Posting > Define Tax Accounts**.



You will assign the G/L accounts for posting taxes, using values specific to your accounting needs. Please have your accounting department provide guidelines to complete this configuration.

## Assigning Tax Codes for Non-Taxable Transactions

1. From IMG, navigate to **Financial Accounting > Financial Accounting Global Settings > Tax on Sales/Purchases > Postings > Assign Tax Codes for Non-Taxable Transactions**.
2. Set the cursor on **Assign Tax Codes for Non-Taxable Transactions** and click .



Change View "Allocate Co.Cd. -> Non-Taxable Transactions": Overview					
	CoCd	Company Name	City	Input tax...	Output t...
	3000	IDES US INC	New York	10	00
	0000	For Subsidiary	Forwards	10	00

3. For the given company set the data as shown above.

## SD CONFIGURATIONS

SD configurations require several procedures:

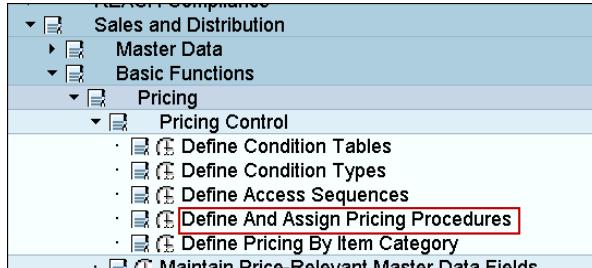
- **MAINTAINING THE PRICING PROCEDURE FOR TAX CALCULATION (page 27)**
- **DETERMINING PRICING PROCEDURE (ASSIGNING PRICING PROCEDURE) (page 29)**
- **DEFINING TAX DETERMINATION RULES (page 31)**
- **ASSIGNING DELIVERING PLANTS FOR TAX DETERMINATION (page 32)**
- **DEFINING TAX RELEVANCE OF CUSTOMER MASTER RECORDS (page 34)**
- **DEFINING TAX RELEVANCE OF MATERIALS MASTER RECORDS (page 35)**

### MAINTAINING THE PRICING PROCEDURE FOR TAX CALCULATION

SAP has provided the **RVAXUD** pricing procedure to make a tax call to Determination. The essential condition types in this tax procedure are *UTXD*, *UTXE*, and *XR1-XR6*.

If you have already implemented SAP and are using pricing procedures, you need to decide how to add these condition types in your existing pricing procedures to enable the tax call to ONESOURCE Indirect Tax. You must use *UTXD* and *UTXE* to take the benefit of max tax calculation.

1. From IMG, navigate to **Sales and Distribution > Basic Functions > Pricing > Pricing Control > Define and Assign Pricing Procedure**.



2. Set the cursor on **Define and Assign Pricing Procedure** and click .
3. Highlight **Maintain Pricing Procedure** and double-click it.



4. Find the pricing procedure **RVAXUD**.

Change View "Procedures": Overview													
BC Set: Change Field Values													
<b>Dialog Structure</b> <ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> <b>Procedures</b></li> <li><input type="checkbox"/> <b>Control data</b></li> </ul>													
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<b>Procedures</b>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Proce...</th> <th>Descript.</th> <th>TSPP</th> <th>Pricing Type</th> </tr> </thead> <tbody> <tr> <td>RVAXUD</td> <td>Standard - USA /with Jur. ext.</td> <td><input type="checkbox"/></td> <td></td> </tr> <tr> <td>RVAXUD</td> <td>Standard - USA /with Jur. ext.</td> <td><input type="checkbox"/></td> <td></td> </tr> </tbody> </table>	Proce...	Descript.	TSPP	Pricing Type	RVAXUD	Standard - USA /with Jur. ext.	<input type="checkbox"/>		RVAXUD	Standard - USA /with Jur. ext.	<input type="checkbox"/>	
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RVAXUD	Standard - USA /with Jur. ext.	<input type="checkbox"/>											
RVAXUD	Standard - USA /with Jur. ext.	<input type="checkbox"/>											

5. Double-click **Control Data** to see the details.

Change View "Control data": Overview																																																																																																																																																																																																																																																	
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909	0	PI01	Intercompany Price				<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	X B	22			ERL																																																																																																																																																																																																																																			
910	0	UTXD	US Tax per document	900			<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			500																																																																																																																																																																																																																																					
911	0	UTXE	US Tax per document	900			<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			501																																																																																																																																																																																																																																					
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914	0	XR3	Tax Jur Code Level 3	900		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			303		MWS	MWS																																																																																																																																																																																																																																			
915	0	XR4	Tax Jur Code Level 4	900		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			304		MWS	MWS																																																																																																																																																																																																																																			
916	0	XR5	Tax Jur Code Level 5	900		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			305		MWS	MWS																																																																																																																																																																																																																																			
917	0	XR6	Tax Jur Code Level 6	900		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6	306		MWS	MWS																																																																																																																																																																																																																																			
918	0	DIFF	Rounding Off				<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		13	16	4	ERS																																																																																																																																																																																																																																			



If you have business-specific needs to alter this pricing procedure or if you have an existing pricing procedure that calls Determination for tax calculation, make sure that you have all condition types shown above with this exact set-up. If you need to make major modifications, SAP always recommends that you make a copy of the original, and then alter it according to your business needs.

Once you have the pricing procedure set up correctly, make sure that you can invoke this pricing procedure from the sales transaction, as shown in the next step. Seek help from your SD expert about setting the required configurations to make sure that the correct pricing procedure gets invoked.

## DETERMINING PRICING PROCEDURE (ASSIGNING PRICING PROCEDURE)

Five factors determine the pricing procedure in SD. Those factors are:

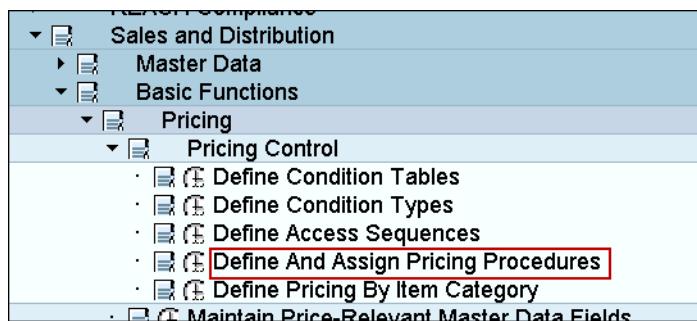
- Sales Organization
- Distribution Channel
- Division
- Order Type
- Sold-To-Party

Order Type and Sold-To-Party have a pricing indicator assigned to them.

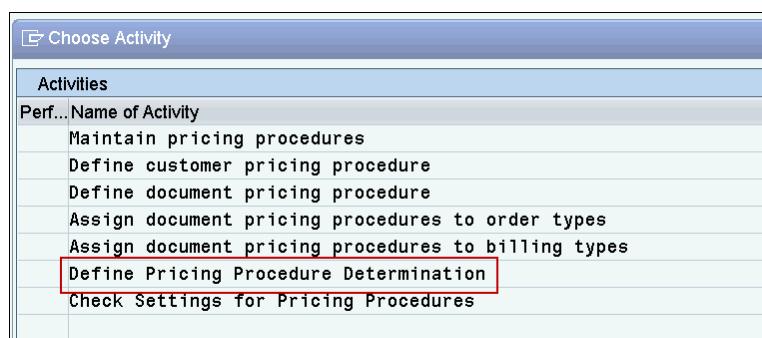
Make sure that your master data (Sold-To-Party) has the correct indicator in the **Sold-To-Party Billing** tab. The configuration in SAP exists in this location.

1. From IMG, navigate to **Sales and Distribution > Basic Functions > Pricing > Pricing Control > Define and Assign Pricing Procedures**.

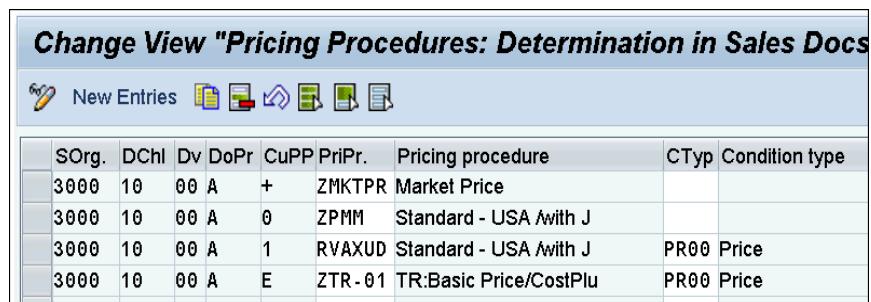
2. Set the cursor on **Define Pricing Procedure** and click .



3. Double-click **Define Pricing Procedure Determination**.



4. On this screen make sure that you have correctly configured your pricing procedure determination. Work with your SD Business Analyst to confirm all lines in this table are correct for all combinations of sales org, channel, etc. Multiple lines would need to be updated based on your pricing procedure structures.



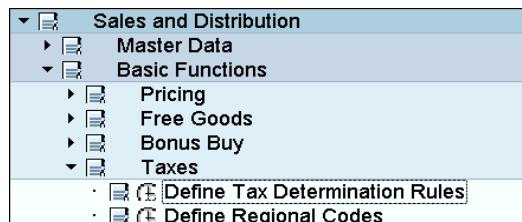
SOrg.	DChl	Dv	DoPr	CuPP	PriPr.	Pricing procedure	CTyp	Condition type
3000	10	00	A	+	ZMKTPR	Market Price		
3000	10	00	A	0	ZPMM	Standard - USA /with J		
3000	10	00	A	1	RVAXUD	Standard - USA /with J	PR00	Price
3000	10	00	A	E	ZTR-01	TR:Basic Price/CostPlu	PR00	Price

## DEFINING TAX DETERMINATION RULES

In SD, your tax code determination is based on the tax category and its corresponding indicator. Both the tax category and its indicator are maintained on the Sales Organization view of the customer master.

The following configuration is required to assign an appropriate indicator to a tax category:

1. From IMG, navigate to **Sales and Distribution > Basic Functions > Taxes > Define Tax Determination Rules**.
2. Set the cursor on **Define Tax Determination Rules** and click .



3. Assign the Tax Category **UTXJ** to the country **US**.

Change View "Taxes: Tax Categories by Country": Overview				
     				
Tax count.	Name	Seq.	Tax categ.	Name
US	United States	1	UTXJ	Tax Jurisdict.Code
ZA	South Africa	1	MWST	Output Tax

4. Assign the Tax Category **UTXJ** as shown above to the country **CA**.

Change View "Taxes: Tax Categories by Country": Overview				
     				
Tax count.	Name	Seq.	Tax categ.	Name
CA	Canada	1	UTXJ	Tax Jurisdict.Code

Make sure that you have only one entry in this configuration for a given country.



## ASSIGNING DELIVERING PLANTS FOR TAX DETERMINATION

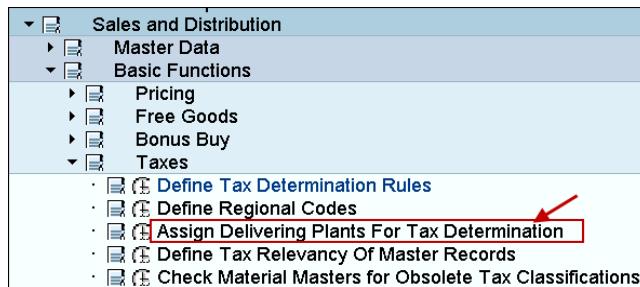
In SD, SAP uses plant as a ship-from location (by default). In MM, plant is used as a ship-to location for tax calculation. Therefore, make sure that every active plant in your company has been assigned a jurisdiction code.

Determination plays a key role in determining the tax jurisdiction code for any given address based on the City, ZIP and ZIP+4 address data.

You have already completed all prerequisite configurations so that Determination determines tax jurisdiction codes for your plant addresses. This is a good test to make sure that SAP is calling Determination through the installed Integration and receiving jurisdiction codes for US and CA addresses back from ONESOURCE Indirect Tax.

If you do not receive a jurisdiction code for some of your US or CA addresses, the prerequisite configurations were incorrectly done.

1. From IMG, navigate to **Sales and Distribution > Basic Functions > Taxes > Assign Delivering Plants for Tax Determination.**

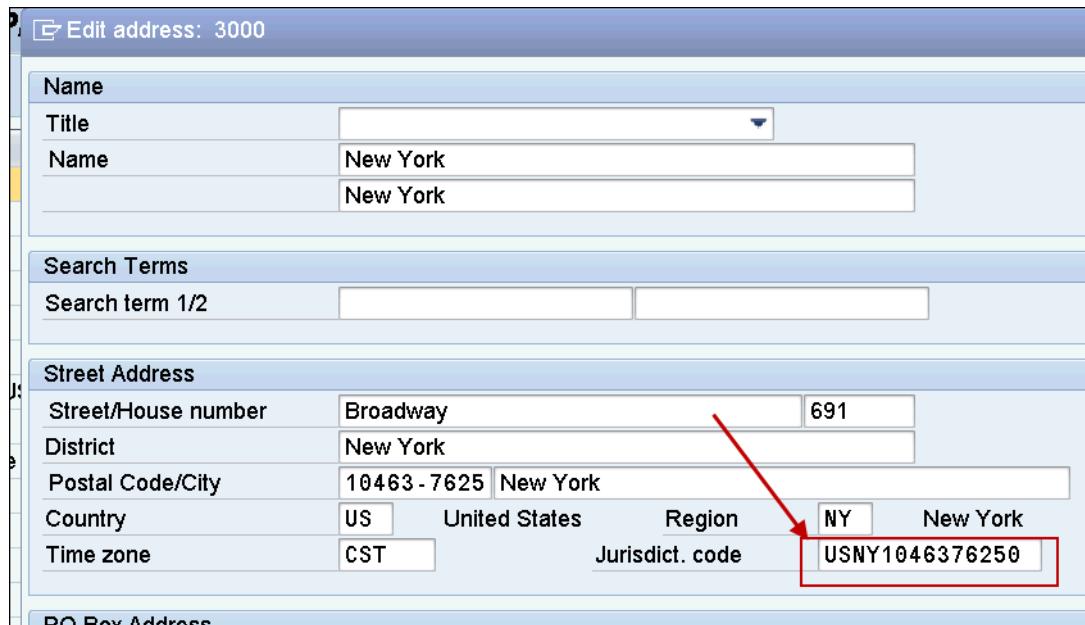


2. Set cursor on **Assign Delivering Plants for Tax Determination** and click .

Change View "Plants": Overview		
  New Entries      		
Plnt	Name 1	Name 2
3000	New York	New York
3001	California	California

3. Highlight the **Plant** code on which you want to maintain the jurisdiction code.

4. Click the address icon  to get to the address details.
5. Provide the address and press **ENTER**. ONESOURCE Indirect Tax must return the jurisdiction code.



The screenshot shows the SAP Fiori 'Edit address' interface for plant 3000. The address is for 'New York' with street 'Broadway' number 691. The postal code is 10463-7625. The jurisdiction code is highlighted with a red box and an arrow points to it from the previous step's description.

6. Save your work.
7. Repeat for all applicable plants you use for end-to-end testing.

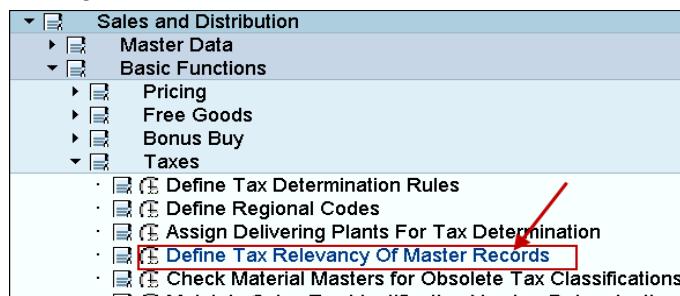


ONESOURCE Indirect Tax recommends that you provide the complete Postal Code, including the +4 portion, to get the unique jurisdiction code.

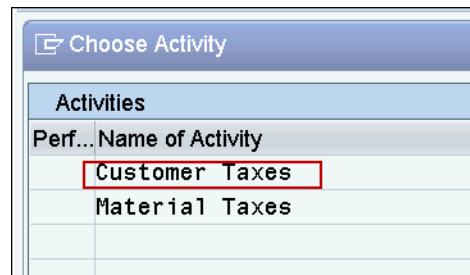
## DEFINING TAX RELEVANCE OF CUSTOMER MASTER RECORDS

This configuration is required to set up a tax-relevant flag which you will use in the Customer Master. You will maintain those flags here. ONESOURCE Indirect Tax recommends that you use 1 as the Taxable flag. ONESOURCE Indirect Tax also recommends that you maintain every customer and material as taxable in SAP and let Determination decide taxability.

1. From IMG, navigate to **Sales and Distribution > Basic Functions > Taxes > Define Tax Relevancy of Master Records**.



2. Click on **Define Tax Relevancy of Master Records** and click .



3. Double-click **Customer Taxes**.
4. Maintain the **Tax Class** as shown below.

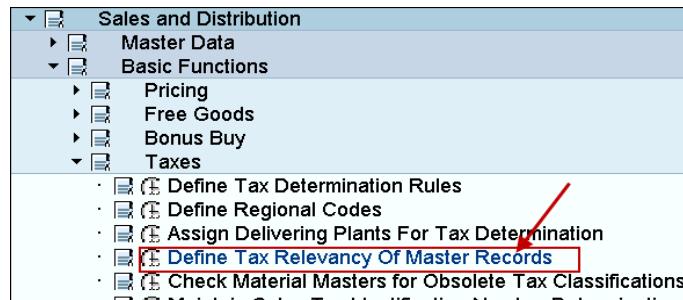
Change View "Customer Taxes": Overview				
     				
	Tax categ.	Name	Tax class.	Description
	UTXJ	Tax Jurisdict.Code	1	Liable for Tax

5. Save your work.

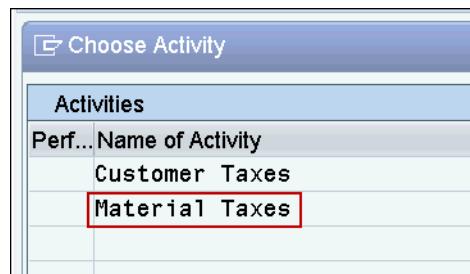
## DEFINING TAX RELEVANCE OF MATERIALS MASTER RECORDS

This configuration is required to set up a tax-relevant flag you use in the Sales Organization view of the Material Master. You will maintain those flags here. ONESOURCE Indirect Tax recommends that you use 1 as the Taxable flag. ONESOURCE Indirect Tax also recommends that you maintain every customer and material as taxable in SAP and let Determination decide taxability.

1. From IMG, navigate to **Sales and Distribution > Basic Functions > Taxes > Define Tax Relevancy of Master Records**.



2. on **Define Tax Relevancy of Master Records** and click .



3. Highlight **Material Taxes** and then double-click it.
4. Assign the tax indicator as shown below.

Change View "Material Taxes": Overview				
     				
Tax categ.	Name	Tax class.	Description	
UTXJ	Tax Jurisdct.Code	1	Taxable	

5. Save your work.

## MM CONFIGURATIONS

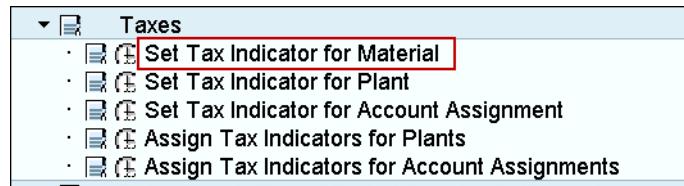
MM configurations require the following procedures:

- [SETTING THE TAX INDICATOR FOR MATERIALS \(page 36\)](#)
- [SETTING THE TAX INDICATOR FOR PLANT \(page 37\)](#)
- [SETTING THE TAX INDICATOR FOR ACCOUNT ASSIGNMENT \(page 38\)](#)
- [ASSIGNING THE TAX INDICATOR FOR PLANT \(page 39\)](#)
- [ASSIGNING THE TAX INDICATOR FOR ACCOUNT ASSIGNMENT \(page 40\)](#)

### SETTING THE TAX INDICATOR FOR MATERIALS

This configuration assigns a tax indicator on the purchasing view of material master. This flag will be used to determine the tax code.

1. From IMG, navigate to **Materials Management > Purchasing > Taxes > Set Tax Indicator for Material**.



2. Set the cursor on **Set Tax Indicator for Material** and click .
3. Assign the tax indicator as shown below to country **US**.

Change View "Determination of Tax"		
 New Entries     		
Dst.Cntry	Material	Description
US	1	taxable

4. Assign the tax indicator as shown below to country **CA**.

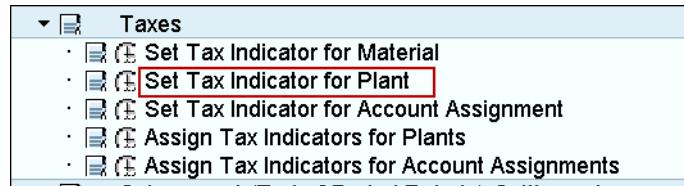
Change View "Determination of Tax"		
 New Entries     		
Dst.Cntry	Material	Description
CA	1	Taxable

5. Save your work.

## SETTING THE TAX INDICATOR FOR PLANT

In this configuration, you maintain the taxable flags for all countries to which your plants belong.

1. From IMG, navigate to **Materials Management > Purchasing > Taxes > Set Tax Indicator for Plant**.



2. Set the cursor on **Set Taxes Indicator for Plant** and click .

3. Assign the taxable indicator 1 as shown below for the country **US**.

Change View "Determination of Tax Indicator: Maintain Plant Indicator"			
     			
Dst.Cntry	Plant Tax ID	Description	
US	1	Taxable	

4. Assign the taxable indicator 1 as shown below for the country **CA**.

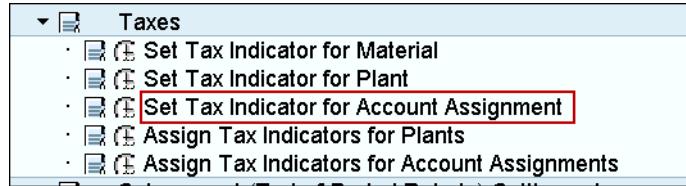
Change View "Determination of Tax Indicator: Maintain Plant Indicator"			
     			
Dst.Cntry	Plant Tax ID	Description	
CA	1	Taxable	

5. Save your work.

## SETTING THE TAX INDICATOR FOR ACCOUNT ASSIGNMENT

This configuration is required to set a taxable indicator for account assignment.

1. From IMG, navigate to **Materials Management > Purchasing > Taxes > Set Tax Indicator for Account Assignment**.
2. Set the cursor on **Set Tax Indicator for Account Assignment** and click .



3. Set the tax indicator for **US** as shown below

Change View "Determine Tax Code: Maintain Account Assignment Indicator"		
 New Entries     		
Dst.Cntry	Tax Ind. AccAss.	Description
US	1	Taxable

4. Set the tax indicator for **CA** as shown below.

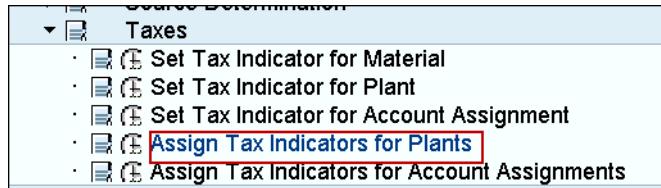
Change View "Determine Tax Code: Maintain Account Assignment Indicator"		
 New Entries     		
Dst.Cntry	Tax Ind. AccAss.	Description
CA	1	Taxable

5. Save your work.

## ASSIGNING THE TAX INDICATOR FOR PLANT

In this configuration you assign the tax indicator to the plant that you created in the previous configuration. You can use this indicator to determine the tax code.

1. From IMG, navigate to **Materials Management > Purchasing > Taxes > Assign Tax Indicator for Plant**.



2. Set the cursor on **Assigning the Tax Indicator for Plant** and click .
3. Assign the tax indicator to the plant as shown below. Remember to complete this for all plants.

The image shows a screenshot of the 'Assignment of Tax Indicator to Plant' overview screen. The screen has a header 'Change View "Assignment of Tax Indicator to Plant": Overview' with several icons. Below the header is a table with the following data:

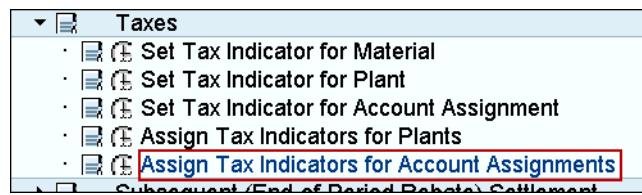
Plant	Name 1	Plant Tax ID	Description
3000	New York	1	Taxable

4. Save your work.

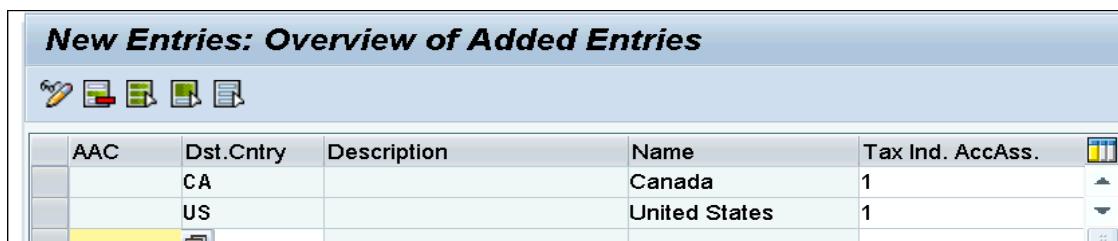
## ASSIGNING THE TAX INDICATOR FOR ACCOUNT ASSIGNMENT

In this configuration, you assign the tax indicator to the account.

1. From IMG, navigate to **Materials Management > Purchasing > Taxes > Assign Tax Indicator for Account Assignments**.



2. Set the cursor on **Assign the Tax Indicators for Account Assignments** and click .
3. Assign the tax indicator as shown below to each of the combinations of Account Assignment code and destination country. Set Tax Ind. AccAss. to code 1 (taxable) for each combination.



	AAC	Dst.Cntry	Description	Name	Tax Ind. AccAss.	
		CA		Canada	1	
		US		United States	1	

4. Save your work.

## MAINTAINING MASTER DATA

Once you have done the necessary configurations in SD and MM with tax indicators, you need to assign those tax indicators in the material master and customer master.

In SD, based on these tax indicators, tax codes are determined in the pricing procedure. You also need to maintain the condition type *UTXJ* with the appropriate tax codes based on these indicators. *UTXJ* is the condition type used in the pricing procedure for tax code determination.

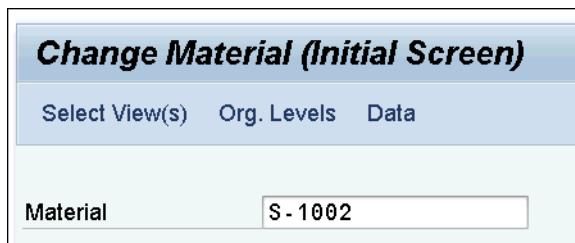
The following procedures describe how to assign tax indicators and maintain the condition type for tax code determinations:

- **ASSIGNING TAX INDICATORS IN THE MATERIAL MASTER SALES ORGANIZATION VIEW (page 41)**
- **ASSIGNING TAX INDICATORS IN THE MATERIAL MASTER PURCHASING VIEW (page 43)**
- **ASSIGNING TAX INDICATORS IN THE CUSTOMER MASTER (page 45)**
- **MAINTAINING JURISDICTION CODES (page 46)**
- **MAINTAINING CONDITION TYPE UTXJ TO DETERMINE THE TAX CODE (page 48)**
- **MAINTAINING COMMODITY CODES ON THE MATERIAL MASTER (page 53)**

### ASSIGNING TAX INDICATORS IN THE MATERIAL MASTER SALES ORGANIZATION VIEW

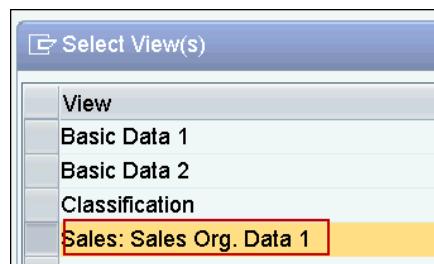
Transaction: MM01/MM02

1. Enter the **Material** number.



The screenshot shows the 'Change Material (Initial Screen)' dialog box. At the top, there are buttons for 'Select View(s)', 'Org. Levels', and 'Data'. Below that, a 'Material' field contains the value 'S - 1002'.

2. Select **Sales: Sales Org. Data 1** and press ENTER.



The screenshot shows the 'Select View(s)' dialog box. It lists several options: 'View', 'Basic Data 1', 'Basic Data 2', 'Classification', and 'Sales: Sales Org. Data 1'. The 'Sales: Sales Org. Data 1' option is highlighted with a yellow background.

3. Enter the Sales Organization and Distribution Channel.

Organizational levels	
Plant	
Sales Org.	3000
Distr. Channel	10

Org. levels/profiles only on request

4. Hit Enter.

Co...Country	Tax...	Tax category	Tax classification
US United States	UTXJ	Tax Jurisdict.Code	1 Taxable

Entry 14 of 14

5. Save your work and repeat this for all of the sales area and country codes extended to this material. Make sure you have a line for both US and Canada country codes on each part number for this procedure.



There are tools available that your Professional Services Representative can offer for mass update of all part number and sales organization extensions. Talk to your ONESOURCE Indirect Tax representative for more details and assistance in this maintenance process.

## ASSIGNING TAX INDICATORS IN THE MATERIAL MASTER PURCHASING VIEW

Transaction: MM01/MM02

1. Enter the **Material** number.

2. Select the **Purchasing** view.

3. Enter the **Plant** code.

4. Enter the Tax Ind F. Material.

**Change Material S-1000 (Finished product)**

Additional Data    Org. Levels    Check Screen Data   

Sales text    **Purchasing**    Foreign trade import    Purchase order text    MRP 1    MRP 2

Material	S - 1000	Pump PRECISION 100	<input checked="" type="checkbox"/>
Plant	3000	New York	<input checked="" type="checkbox"/>
<b>General Data</b>			
Base Unit of Measure	EA	Each	Order Unit
Purchasing Group	<input type="text"/>	<input type="text"/>	Var. OUn
Plant-sp.matl status	<input type="text"/>	<input type="text"/>	Material Group
Tax ind. f. material	<input type="text" value="2"/>	<input type="text"/>	Valid from
Material freight grp	<input type="text"/>	<input type="text"/>	Qual.f.FreeGoodsDis.
<input type="checkbox"/> Autom. PO			
<input type="checkbox"/> OB Management			

5. Save your work and repeat this procedure for all of the plants extended to this material.

## ASSIGNING TAX INDICATORS IN THE CUSTOMER MASTER

Transaction: XD01/XD02

1. Enter the Customer number, Sales Organization, Distribution Channel, and Division.

**Customer Change: Initial Screen**

Sales area		
Sales Organization	3001	USA Philadelphia
Distribution Channel	10	Final customer sales
Division	00	Cross-division

**Action Buttons:**

2. To maintain the tax indicators, you must be in the Sales Area Data > Billing Tab.

**Change Customer: Sales Area Data**

Country	Name	Tax category	Name	Tax c...	Description
US	United States	UTXJ	Tax Jurisdict.Code	1	Liable for Tax

3. Save your work and repeat this process for all of the sales areas to which this customer has been extended. You will need to enter lines for both US and Canada as shown above in the taxes table.



There are tools available that your Professional Services Representative can offer for mass update of all part number and sales organization extensions. Talk to your ONESOURCE Indirect Tax representative for more details and assistance in this maintenance process.

## MAINTAINING JURISDICTION CODES

Any address location used for tax calculation must contain a jurisdiction code. Based on the address, Determination determines the jurisdiction code and returns it to the calling transaction.

1. Here is an example on a Customer Master: Transaction **XD01/XD02**.

The screenshot shows the 'Customer Change: Initial Screen' dialog box. At the top, the customer number '3001' is entered, and the company code is empty. In the 'Sales area' section, the 'Sales Organization' is set to 'USA Philadelphia', 'Distribution Channel' is 'Final customer sales', and 'Division' is 'Cross-division'. Below these fields are two buttons: 'All sales areas...' and 'Customer's sales areas...'. At the bottom right of the dialog are several standard SAP toolbar icons.

2. Enter the **Customer Master Number** and press **ENTER**.
3. You must be in the address tab to maintain the jurisdiction code. Type the complete address and press **ENTER**.

The screenshot shows the 'Change Customer: General Data' screen. The customer number '3001' is entered, and the company code is 'US Auto Services Ltd'. The address tab is selected, showing the following details: Street/House number '2130N Glenoaks Blvd', District 'Los Angeles', Postal Code/City '91504-2827', Country 'US', Region 'CA', Tax Jurisdiction 'USCA9150428270', and Transportation zone '0000000004'. The 'Address' tab is highlighted in blue, and other tabs like 'Control Data', 'Payment Transactions', 'Marketing', etc., are visible at the top.

4. ONESOURCE Indirect Tax will determine the jurisdiction code for you.

The screenshot shows the SAP Change Customer: General Data interface. The 'Address' tab is selected. In the 'Street Address' section, the 'Tax Jurisdictn' field is highlighted with a red box and an arrow, containing the value 'USCA9150428270'. Other fields in the 'Street Address' section include Street/House number (2130N Glenoaks Blvd), District (Los Angeles), Postal Code/City (91504 - 2827), Country (US), Time zone (PST), and Transportation zone (0000000004). The 'Region' field shows 'CA' and 'California'.

5. Save your work.

Be sure to maintain the jurisdiction code on all the address elements in your transaction, such as plant, sales organization, cost center, vendor, and customer.



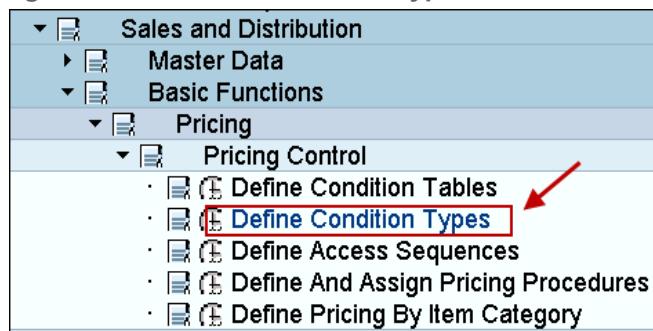
An ABAP code can do mass maintenance of jurisdiction codes. Refer to OSS Note 409562 *Mass adjustment of jurisdiction codes in address data*. Contact ONESOURCE Indirect Tax Professional Services for information on using this code.

## MAINTAINING CONDITION TYPE UTXJ TO DETERMINE THE TAX CODE

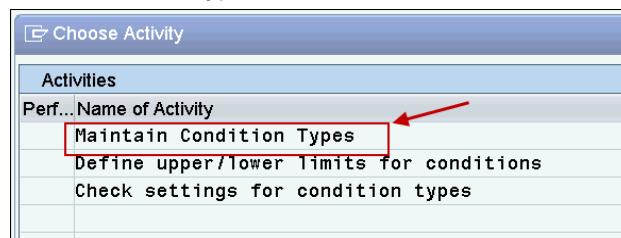
SAP determines the tax code in SD (A/R) transactions through the condition Type *UTXD* in the pricing procedure, using an access sequence of *UTX1*. *UTXD* refers to the *UTXJ* condition type; *UTXJ* has the same access sequence as *UTXD* (*UTX1*). Maintain your tax codes using the *UTXJ* condition type, with the access sequence *UTX1*. Use the condition table **2 - Domestic Taxes** to maintain your Tax Codes.

Because ONESOURCE Indirect Tax determines taxability and non-taxability, it is a best practice to maintain your customers and materials as taxable in SAP.

1. From IMG customizing (SPRO), navigate to **Sales and Distribution > Basic Functions > Pricing > Pricing Control > Define Condition Types**.



2. Double-click Maintain Condition types.



3. From the Condition Type screen use the Position button to go to UTXD and display the record.

Change View "Conditions: Condition Types": Overview			
CTyp	Condition Type	Condition class	Calculation type
UTXD	US Tax per document	Taxes	Percentage
UTXJ	US Tax per document	Taxes	Percentage

4. Select the line and hit the details button to display the detail screen as shown above. This shows *UTXD* referring to the *UTXJ* condition type.

**Change View "Conditions: Condition Types": Details**

Condit. type **UTXD** US Tax per document Access seq. **UTX1** State Tax USA (PST CND)

**Control data 1**

Cond. class	D Taxes	Plus/minus	<input type="checkbox"/> positive a
Calculat.type	A Percentage		
Cond.category	1 Tax JurDic level 1 (with license check)		
Rounding rule	Commercial		
StrucCond.			

**Group condition**

Group cond. **GrpCond.routine**

RoundDiffComp

**Changes which can be made**

Manual entries  Not possible to process manually

Header condit.  Amount/percent  Qty relation

Item condition  Delete  Value

**Master data**

valid from	<input type="checkbox"/> Today's date	PricingProc	<input type="checkbox"/>
Valid to	<input type="checkbox"/> 31.12.9999	delete fr. DB	<input type="checkbox"/> Do not delete (set the deletion flag)
RefConType	<b>UTXJ</b>	<input type="checkbox"/> Condition index	
RefApplicatio	<input type="checkbox"/> V	<input type="checkbox"/> Condit.update	

**Scales**

5. Make sure that the detail screen for *UTXD* is as shown above and save your work.

6. Go to **IMG Sales and Distribution > Basic Functions > Pricing > Price Control > Define Access Sequences**.

7. Display the access sequence *UTX1* by selecting it from the list of table entries. Highlight it and click on the access sequence option on the left of the screen to display the table below. Make sure it is set correctly. It should appear as shown below.

This shows the access sequence *UTX1* with the condition tables it uses.

**Change View "Accesses": Overview**

Access sequence **UTX1** State Tax USA (PST CND)

**Overview Accesses**

No.	Tab	Description	Requirement	Exclusive
8	78	Partner Country / Destination Country	8	<input checked="" type="checkbox"/>
10	40	Country/State/Customer Classif.1/Material Classification 1		<input checked="" type="checkbox"/>
20	2	Domestic Taxes		<input checked="" type="checkbox"/>

8. Next highlight the domestic taxes line and select the fields option to display the table. This shows the fields of the condition table 2. Again make sure this table is shown as below or make changes and save your work. Entry should display as seen here.

**Change View "Fields": Overview**

Condition	I/O	Docmt Struc...	Doc.field	Long field label	Spec. Val. Source
ALAND	KOMK	ALAND		Country	
TAXK1	KOMK	TAXK1		TaxClass1-Cust.	
TAXM1	KOMP	TAXM1		Tax class. material	

9. You can use transaction **VK11/VK12** to maintain the tax code on condition type **UTXJ**.

**Change Condition Records**

Condition Information    Key Combination    Select Using Index

Condition type **UTXJ**

Key Combination

Departure Country / Destination Country  
 Country/State/Customer Classif.1/Material Classification 1  
 Domestic Taxes

10. Enter Condition Type **UTXJ** and select **Domestic Taxes** (Condition Table 2)

11. Maintain the tax code as shown below.

**Change Tax Jurisdict.Code Condition (UTXJ) : Overview**

Country **US** United States  
 Valid On **12/16/2011**

**Domestic Taxes**

T.T.Name	Amount	Unit	Valid From	Valid to	Tax...	Wt...	L...
1 1 Liable for Tax Taxable	100.000		08/23/2010	12/31/9999	01		

12. Save your work.

## DETERMINING TAX CODE THROUGH PRICING

In MM (A/P) transactions, the tax code can be determined through the pricing procedure. The pricing procedure must have a condition type NAVS with Access Sequence 0003 (Access Sequence 0003 has several condition tables).

1. In IMG navigate to **Materials Management > Purchasing > Conditions > Define Price Determination Process > Define Condition Types**. Locate NAVS in the table list and display the details. The record should look like example below.
2. This example shows the Condition Type NAVS with Access Sequence 0003.

**Change View "Conditions: Condition Types": Details**

Condit. type	NAVS	Non-Deductible Tax	Access seq.	0003	Tax Classification	
Records for access						
<b>Control data 1</b>						
Cond. class	D	Taxes	Plus/minus	<input type="checkbox"/> positive a		
Calculat.type	B	Fixed amount				
Cond.category	N	Input Tax not Deductible				
Rounding rule	<input type="checkbox"/> Commercial					
StrucCond.	<input type="checkbox"/>					
<b>Group condition</b>						
<input type="checkbox"/> Group cond.	<input type="checkbox"/> GrpCond.routine					
<input type="checkbox"/> RoundDiffComp						
<b>Changes which can be made</b>						
Manual entries	D	Not possible to process manually				
<input type="checkbox"/> Header condit.	<input type="checkbox"/> Amount/percent					
<input checked="" type="checkbox"/> Item condition	<input type="checkbox"/> Delete	<input type="checkbox"/> Qty relation				
					<input type="checkbox"/> Value	
<b>Master data</b>						
valid from	<input type="checkbox"/>	Today's date	PricingProc	<input type="checkbox"/>		
Valid to	<input type="checkbox"/>	31.12.9999	delete fr. DB	<input type="checkbox"/> Do not delete (set the deletion flag)		
RefConType	<input type="checkbox"/> Condition index					
RefApplicatio	<input type="checkbox"/>					
<b>Scales</b>						
Scale basis	<input type="checkbox"/>	Scale formula	<input type="checkbox"/>			
Check value	<input type="checkbox"/> None	Unit of meas.	<input type="checkbox"/>			
Scale type	<input type="checkbox"/> can be maintained in con					
<b>Control data 2</b>						
<input type="checkbox"/> Currency conv.	<input type="checkbox"/> Promotion Cond.	Exclusion	N	Tax code		
<input type="checkbox"/> Accruals	<input type="checkbox"/> Variant cond.	Pricing date	<input type="checkbox"/>	Standard (KOMK-PRSDT; ta)		
<input type="checkbox"/> Inv.list cond.	<input type="checkbox"/> Qty conversion	Rel.Acc.Assig	<input type="checkbox"/> Relevant for account ass			
<input type="checkbox"/> Int-comBillCond						
<b>Sales pricing</b>						
<input type="checkbox"/> Rel. to pricing	<input type="checkbox"/> Pricing on/off					
<b>Text determination</b>						
TextDelPrc	<input type="checkbox"/>		Text ID	<input type="checkbox"/>		

- To review the Access Sequence 0003 navigate in IMG to: **Materials Management > Purchasing > Conditions > Define Price Determination Process > Define Access Sequence.**
- Select from the list 0003 and double click on Accesses within the Dialog Structure. Next select line 50 and double click on Fields within the Dialog Structure
- This example shows Access Sequence 0003 with Condition Table 80 and its relevant fields.

Access	0003	50	Tax Classification		
Table	80		Taxes: Material		
<b>Field Overview</b>					
Condition	I/O	Docmt Struc...	Doc.field	Long field label	Spec. Val. Source
LLAND	◀ K0MK	LAND1		Destination Country	
TAXIM	◀ KOMP	TAXIM		Tax ind. f. material	

- You can use transactions **MEK1** and **MEK2** to maintain tax codes on Condition Type NAVS.

**Change Condition Records**

**Condition Information**   **Key Combination**   **Select Using Index**

Condition type **NAVS**

**Key Combination**

Taxes: Material, Plant, Acc. Assignment, Origin and Region  
 Taxes: Material, Plant, Origin and Region  
 Taxes: Plant, Account Assignment Origin and Region  
 Taxes: Material, Plant and Origin  
 Taxes: Material

- Enter Condition Type NAVS and select **Taxes: Material** (Condition Table 80).

**Create Non-Deductible Tax Condition (NAVS) : Fast Entry**

**Destination Country** **US** **United States**

**Taxes: Material**

Tax ind.	Name	Amount	Unit	Valid From	Valid to	Tax Code	W/...	Li...
1		100.00			12/31/9999	I1		
<input checked="" type="checkbox"/>								

- Maintain the tax code as shown above.

- Save your work.

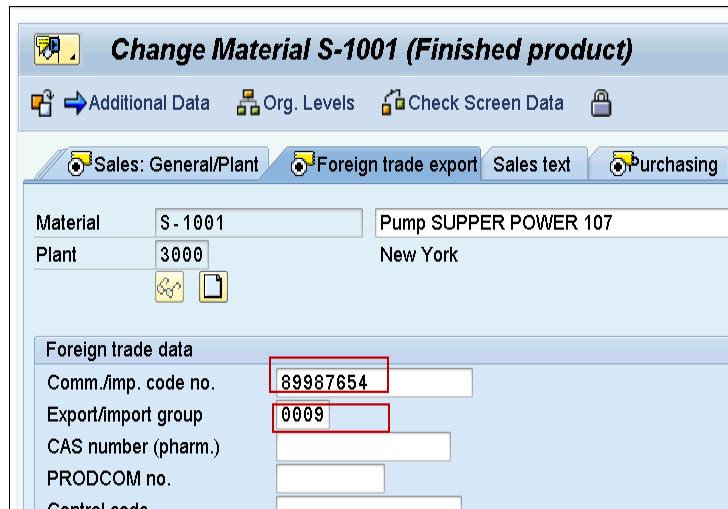
**NOTE** You can also use other Condition Tables to maintain the tax codes depending upon your business needs.

## MAINTAINING COMMODITY CODES ON THE MATERIAL MASTER

There are various ways you can configure product mappings when you are using Determination.

If you want to pass a Commodity Code from SAP to Determination, you must maintain the Commodity Code in the **Foreign trade export** on the Material Master view.

1. In the **MM01** or **MM02** transaction, enter the **Material Number** and **Plant** and access the **Foreign trade export** page:



The screenshot shows the SAP Change Material S-1001 (Finished product) screen. The material number is S-1001 and the plant is 3000, located in New York. The Foreign trade data section is highlighted, showing the Commodity/Imp. code no. (89987654) and Export/import group (0009) fields, both of which are highlighted with red boxes.



You need to include ABAP code in the Tax user exit to query this code from the Material Master and populate one of ONESOURCE Indirect Tax Custom Attributes. Within Determination, you then need to create a TransEditor to move the Custom Attribute to the Commodity Code field.

## DEVELOPING ENHANCEMENTS FOR EXTERNAL TAX CALCULATION

You may need to make enhancements in the Tax user exit to provide required data elements to Determination for accurate tax calculation.

To ensure proper tax calculation, we recommend that you add the following code to the Tax user exit in enhancement **FYTX0002**. Consult Appendix C of the *R/3 Tax Interface Configuration Guide* for additional information about using this enhancement.

All of these changes depend on your organization's needs and processes. Please consult ONESOURCE Indirect Tax Professional Services for assistance if needed.

1. Derive Point of Order Origin (POO) address from Sales Organization of the order:

- Add the field **VKORG** to table **CI\_TAX\_INPUT\_USER** in transaction **SE11**.
- Add the following code to program **ZXFYTU03** in transaction **SE38**:

```
* Get jurisdiction of sales org. for POO
  data: adrnr type tvko-adrnr,
         txjcd type sadr-txjcd.
* Find address number of sales org.
  select single adrnr from tvko into adrnr
    where vkorg = i_input_user-vkorg.
* Read tax jurisdiction code of sales org.
  if sy-subrc = 0.
    select single taxjurcode from adrc into txjcd
      where addrnumber = adrnr
        and date_from <= sy-datum
        and nation   = ''.
* Replace tax jur. code with sales org. one
  if sy-subrc = 0.
    ch_user_changed_fields-txjcd_poo = txjcd.
  endif.
endif.
```

Instead of using the Sales Organization, your organization might like to use the Sales Office or Sales Employee instead. Please consult your IT expert or ask our Professional Services department to assist you if needed.

2. Provide freight amount of sales order to tax interface for accurate tax calculation:

- Add the field **KZWI4** to table **CI\_TAX\_INPUT\_USER** in transaction **SE11**.
- Add the following code to program **ZXFYTU03** in transaction **SE38**:

```
ch_user_changed_fields-freight_am = i_input_user-kzwi4.
```

For additional information on freight handling in the SAP interface see Appendix D of the *R/3 Tax Interface Configuration Guide*.

3. Create Point of Title Transfer (PoTT) Mapping:

- Add the field **INCO1** to table **CI\_TAX\_INPUT\_USER** in transaction **SE11**.
- Use this user exit code to map Incoterms to PoTT.

```
CASE I_INPUT_USER-INCO1.  
  WHEN 'DAF' OR 'DES' OR 'DEQ' OR 'DDU' OR 'DDP'.  
    CH_USER_CHANGED_FIELDS-PTP_IND = 'D'.      "Destination  
    WHEN 'EXW'.          "Ex works  
    CH_USER_CHANGED_FIELDS-PTP_IND= 'O'.      "Origin  
    WHEN 'FCA' OR 'FAS' OR 'FOB' OR 'CFR' OR 'CIF' OR 'CPT' OR 'CIP'.  
    CH_USER_CHANGED_FIELDS-PTP_IND= 'I'.      "In transit  
    WHEN OTHERS.  
    CH_USER_CHANGED_FIELDS-PTP_IND = 'I'.      "In transit  
  ENDCASE.
```



# SAMPLE ORDER-TO-CASH SCENARIO

This chapter provides a simple example of the complete Order-to-Cash process once Determination and Integration have been integrated with SAP.

- **CREATING A SALES ORDER (page 57)**
- **CREATING A BILLING DOCUMENT (page 60)**
- **VIEWING TAXES IN SAP TABLES (page 62)**
- **COPYING THE DOCUMENT CONDITION (page 62)**
- **POSTING THE BILLING DOCUMENT TO THE GL (page 64)**

## CREATING A SALES ORDER

This process uses Transaction **VA01** to create a sales order for company 3000.

**Create Sales Order: Initial Screen**

Order Type  Create with Reference  Sales  Item overview  Ordering party

**Organizational Data**

Sales Organization	3000
Distribution Channel	10
Division	00
Sales Office	
Sales Group	

1. Select the line item.

**Create Standard Order: Overview**

Standard Order:  Net value:  USD

Sold-To Party:  US Auto Services Ltd / 2130N Glenoaks Blvd / Burbank CA 91504-28;

Ship-To Party:  US Auto Services Ltd / 2130N Glenoaks Blvd / Burbank CA 91504-28;

PO Number:  PO date:

**Sales** **Item overview** **Item detail** **Ordering party** **Procurement** **Shipping** **Reason for rejection**

Req. deliv.date	<input type="text" value="D"/> <input type="text" value="12/29/2011"/>	Deliver.Plant	<input type="text"/>
<input type="checkbox"/> Complete dlv.		Total Weight	<input type="text" value="125"/> LB
Delivery block	<input type="text"/>	Volume	<input type="text" value="50"/> L
Billing block	<input type="text"/>	Pricing date	<input type="text" value="12/19/2011"/>
Payment card	<input type="text"/>	Exp.date	<input type="text"/>
Card Verif.Code	<input type="text"/>		
Payment terms	<input type="text" value="0001"/> Special Payment Term	Incoterms	<input type="text" value="CIF Cost, Insurance and Freight"/>
Order reason	<input type="text"/>		

**All items**

Item	Material	Order Quantity	Un	Description	S	Customer Material Numb
	10S-1001	1	EA	Pump SUPPER POWER	<input type="checkbox"/>	<input type="checkbox"/>
					<input type="checkbox"/>	<input type="checkbox"/>
					<input type="checkbox"/>	<input type="checkbox"/>

2. Select **GoTo > Header > Conditions** to view the taxes calculated by the Determination.

**Create Standard Order: Header Data**

Standard Order	Purchase order no.																																																																																																																																
Sold-to party	3001 US Auto Services Ltd / 2130N Glenoaks Blvd / Burbank CA 91504-																																																																																																																																
<input type="button" value="Sales"/> <input type="button" value="Shipping"/> <input type="button" value="Billing Document"/> <input type="button" value="Payment cards"/> <input type="button" value="Accounting"/> <input type="button" value="Conditions"/> <input type="button" value="Account assignment"/> <input type="button" value="Partner"/>																																																																																																																																	
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Tax	8.75																																																																																																																																
<b>Pricing Elements</b> <table border="1"> <thead> <tr> <th>N...CnTy Name</th> <th>Amount</th> <th>Crcy</th> <th>per</th> <th>UoM</th> <th>Condition value</th> <th>Curr.</th> <th>St</th> </tr> </thead> <tbody> <tr> <td><input checked="" type="checkbox"/> PR00 Price</td> <td></td> <td></td> <td></td> <td></td> <td>100.00</td> <td>USD</td> <td></td> </tr> <tr> <td><input checked="" type="checkbox"/> Gross Value</td> <td></td> <td></td> <td></td> <td></td> <td>100.00</td> <td>USD</td> <td></td> </tr> <tr> <td><input checked="" type="checkbox"/> Discount Amount</td> <td></td> <td></td> <td></td> <td></td> <td>0.00</td> <td>USD</td> <td></td> </tr> <tr> <td><input checked="" type="checkbox"/> Rebate Basis</td> <td></td> <td></td> <td></td> <td></td> <td>100.00</td> <td>USD</td> <td></td> </tr> <tr> <td><input checked="" type="checkbox"/> Rebate Basis</td> <td></td> <td></td> <td></td> <td></td> <td>100.00</td> <td>USD</td> <td></td> </tr> <tr> <td><input checked="" type="checkbox"/> Net Value for Item</td> <td></td> <td></td> <td></td> <td></td> <td>100.00</td> <td>USD</td> <td></td> </tr> <tr> <td><input checked="" type="checkbox"/> Net Value 2</td> <td></td> <td></td> <td></td> <td></td> <td>100.00</td> <td>USD</td> <td></td> </tr> <tr> <td><input checked="" type="checkbox"/> UTXD US Tax per document</td> <td>100.000</td> <td>%</td> <td></td> <td></td> <td>100.00</td> <td>USD</td> <td></td> </tr> <tr> <td><input checked="" type="checkbox"/> UTXE US Tax per document</td> <td>0.000</td> <td>%</td> <td></td> <td></td> <td>0.00</td> <td>USD</td> <td></td> </tr> <tr> <td><input checked="" type="checkbox"/> XR1 Tax Jur Code Level 1</td> <td></td> <td></td> <td></td> <td></td> <td>6.25</td> <td>USD</td> <td></td> </tr> <tr> <td><input checked="" type="checkbox"/> XR2 Tax Jur Code Level 2</td> <td></td> <td></td> <td></td> <td></td> <td>0.00</td> <td>USD</td> <td></td> </tr> <tr> <td><input checked="" type="checkbox"/> XR3 Tax Jur Code Level 3</td> <td></td> <td></td> <td></td> <td></td> <td>1.00</td> <td>USD</td> <td></td> </tr> <tr> <td><input checked="" type="checkbox"/> XR4 Tax Jur Code Level 4</td> <td></td> <td></td> <td></td> <td></td> <td>0.00</td> <td>USD</td> <td></td> </tr> <tr> <td><input checked="" type="checkbox"/> XR5 Tax Jur Code Level 5</td> <td></td> <td></td> <td></td> <td></td> <td>1.50</td> <td>USD</td> <td></td> </tr> <tr> <td><input checked="" type="checkbox"/> XR6 Tax Jur Code Level 6</td> <td></td> <td></td> <td></td> <td></td> <td>0.00</td> <td>USD</td> <td></td> </tr> </tbody> </table>		N...CnTy Name	Amount	Crcy	per	UoM	Condition value	Curr.	St	<input checked="" type="checkbox"/> PR00 Price					100.00	USD		<input checked="" type="checkbox"/> Gross Value					100.00	USD		<input checked="" type="checkbox"/> Discount Amount					0.00	USD		<input checked="" type="checkbox"/> Rebate Basis					100.00	USD		<input checked="" type="checkbox"/> Rebate Basis					100.00	USD		<input checked="" type="checkbox"/> Net Value for Item					100.00	USD		<input checked="" type="checkbox"/> Net Value 2					100.00	USD		<input checked="" type="checkbox"/> UTXD US Tax per document	100.000	%			100.00	USD		<input checked="" type="checkbox"/> UTXE US Tax per document	0.000	%			0.00	USD		<input checked="" type="checkbox"/> XR1 Tax Jur Code Level 1					6.25	USD		<input checked="" type="checkbox"/> XR2 Tax Jur Code Level 2					0.00	USD		<input checked="" type="checkbox"/> XR3 Tax Jur Code Level 3					1.00	USD		<input checked="" type="checkbox"/> XR4 Tax Jur Code Level 4					0.00	USD		<input checked="" type="checkbox"/> XR5 Tax Jur Code Level 5					1.50	USD		<input checked="" type="checkbox"/> XR6 Tax Jur Code Level 6					0.00	USD	
N...CnTy Name	Amount	Crcy	per	UoM	Condition value	Curr.	St																																																																																																																										
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<input checked="" type="checkbox"/> XR3 Tax Jur Code Level 3					1.00	USD																																																																																																																											
<input checked="" type="checkbox"/> XR4 Tax Jur Code Level 4					0.00	USD																																																																																																																											
<input checked="" type="checkbox"/> XR5 Tax Jur Code Level 5					1.50	USD																																																																																																																											
<input checked="" type="checkbox"/> XR6 Tax Jur Code Level 6					0.00	USD																																																																																																																											
<input type="button" value="Condition rec."/> <input type="button" value="Activate"/> <input type="button" value="Update"/>																																																																																																																																	

3. Click **Save** to create a Sales Order.



## CREATING A BILLING DOCUMENT

This process uses Transaction **VF01**. The last created order number is displayed by default. Hit Enter. Select the line item and then from the menu bar, select **GoTo > Header > Pricing Conditions Header** to view the taxes calculated by Determination.

**Create Billing Document**

Billing due list Billing document overview

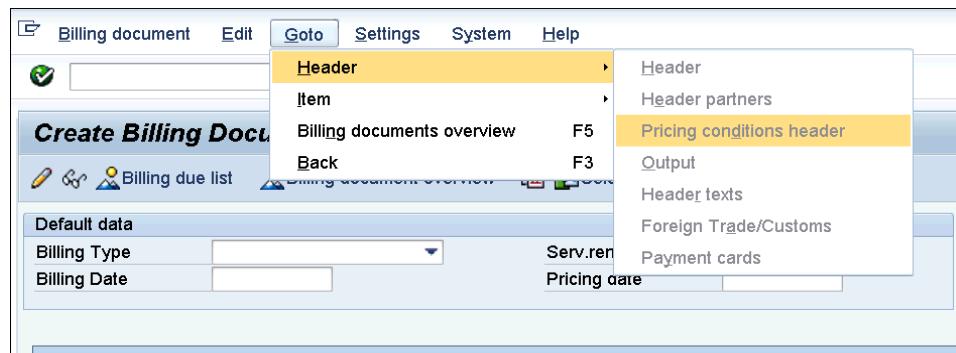
Default data

Billing Type:

Billing Date:

Docs to be processed

Document	Item	SD document categ.
219		



**Billing Invoice (F2) (F2) Create : Header data**

Billing items Output

Invoice (F2)	\$00000001	
Payer	3001	US Auto Services Ltd / 2130N Glenoaks Blvd / US - 91504-2827 Bur
Created by	RICKP	Created on 12/19/2011 Time 16:26:57

Header Head.prttrs Conditions ForTrade/Customs Head.text

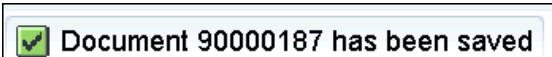
Net	100.00	USD
Tax	8.75	

Pricing Elements

N...CnTy	Name	Amount	Crcy	per	UoM	Condition value	Curr.
<input checked="" type="checkbox"/>	PR00	ce				100.00	USD
		Gross Value				100.00	USD
		Discount Amount				0.00	USD
		Rebate Basis				100.00	USD
		Rebate Basis				100.00	USD
		Net Value for Item				100.00	USD
		Net Value 2				100.00	USD
<input checked="" type="checkbox"/>	UTXD	US Tax per document	100.000	%		100.00	USD
<input checked="" type="checkbox"/>	UTXE	US Tax per document	0.000	%		0.00	USD
<input checked="" type="checkbox"/>	XR1	Tax Jur Code Level 1				6.25	USD
<input checked="" type="checkbox"/>	XR2	Tax Jur Code Level 2				0.00	USD
<input checked="" type="checkbox"/>	XR3	Tax Jur Code Level 3				1.00	USD
<input checked="" type="checkbox"/>	XR4	Tax Jur Code Level 4				0.00	USD

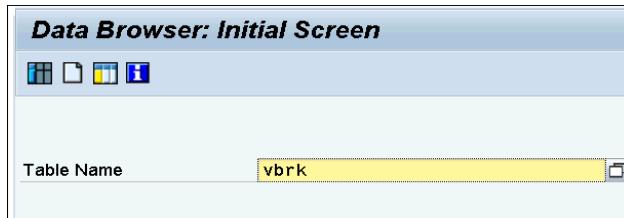
Condition rec. Activate Update

4. Click **Save** to create a Billing Document. You will see a message similar to:

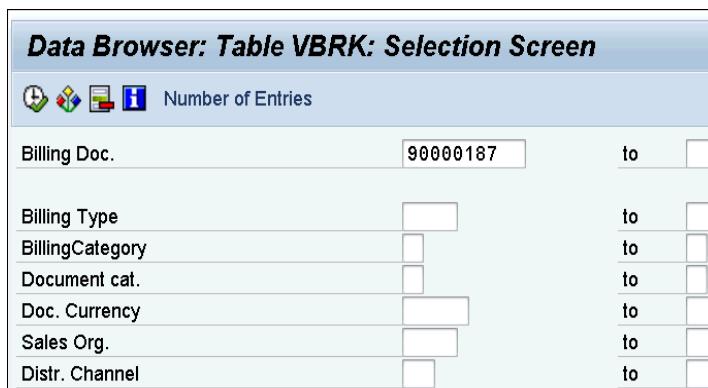


## VIEWING TAXES IN SAP TABLES

This process uses Transaction **SE16** and Table VBRK.



1. Copy the billing document (in this scenario, 90000187).

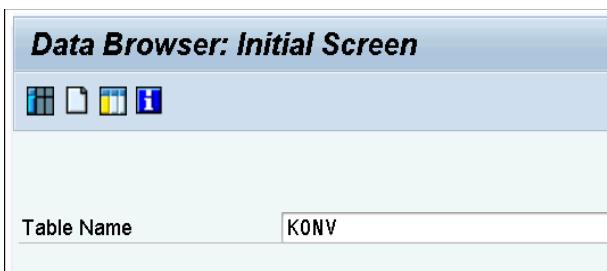


2. Click **Execute**. The following screen appears.

The screenshot shows the SAP Data Browser interface for the VBRK table, titled 'Data Browser: Table VBRK Select Entries'. The title bar shows the number '1'. The main area displays a table with one row of data. The columns are labeled: Client, Billing Doc., Billing Type, BillingCategory, Document cat., Doc. Currency, Sales Org., Distr. Channel, Pric. procedure, and Doc. condit. The data row contains: 400, 0090000187, F2, L, M, USD, 3000, 10, RVAXUD, and 0000000465.

## COPYING THE DOCUMENT CONDITION

This process uses Transaction **SE16** to see that data stored in the **ZZ** fields in table KONV.



1. Copy the Document Condition (in this scenario, 0000000465).

**Data Browser: Table KONV: Selection Screen**

Number of Entries

Doc. condition	0000000465	to	<input type="checkbox"/>
Item		to	<input type="checkbox"/>
Step number		to	<input type="checkbox"/>
Counter		to	<input type="checkbox"/>
Width of Output List	250		
Maximum No. of Hits	200		

2. Click on **Execute**. The following screen appears.

**Data Browser: Table KONV Select Entries 12**

Check Table...

Table: KONV  
Displayed Fields: 18 of 65 Fixed Columns: 5 List Width 0250

	Client	Doc. condition	Item	Step number	Counter	Application	Condition type	CondPricingDate	Cal...
	400	0000000465	000010	011	01	V	PR00	12/19/2011	C
	400	0000000465	000010	910	01	V	UTXD	12/29/2011	A
	400	0000000465	000010	911	01	V	UTXE	12/19/2011	A
	400	0000000465	000010	912	01	TX	XR1	12/29/2011	A
	400	0000000465	000010	913	01	TX	XR2	12/29/2011	A
	400	0000000465	000010	914	01	TX	XR3	12/29/2011	A
	400	0000000465	000010	915	01	TX	XR4	12/29/2011	A
	400	0000000465	000010	916	01	TX	XR5	12/29/2011	A
	400	0000000465	000010	917	01	TX	XR6	12/29/2011	A
	400	0000000465	000010	930	01	V	SKT0	12/19/2011	A
	400	0000000465	000010	931	01	V	ZDIC	12/19/2011	A
	400	0000000465	000010	960	01	V	EDI1	12/19/2011	C

3. Select on any line item to see the data stored in detail.

**Table KONV Display**

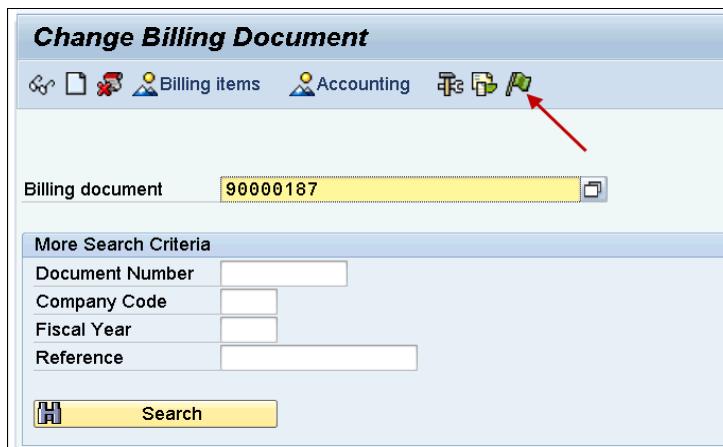
Check Table...

Client	400
Doc. condition	0000000465
Item	10
Step number	11
Counter	1
Application	V
Condition type	PR00
CondPricingDate	12/19/2011
Calculat.type	C
Cond.base value (KAWRT)	10.00
Amount	100.00
Currency	USD
Cond.exch.rate	1.00000
Pricing unit	1
Condition unit	EA
Numer.for conv.	1

Table KONV Display	
Check Table...	
Den.for conv.	1
Condit.category	
Statistical	
Scale type	
Accruals	(KRUEK)
Inv.list cond.	
Condit.origin	A
Group condition	
Condit.update	
Access	10
Cond.record no.	0000035105
SequNo of cond.	1
Account key	ERL
G/L Account	800666
Tax Code	01
Accruals	(KVSL2)
Provision acc.	800500
W/tax code	
Vendor	
Customer	
CondRoundDiff.	0.00
Condition value	(KWERT) 100.00
Cond.control	D
Inactive	

## POSTING THE BILLING DOCUMENT TO THE GL

This process uses Transaction **VF02**. To post the billing document to General Ledger, release the document to accounting and then post to GL.



**Change Billing Document**

Billing document **90000187**

More Search Criteria

Document Number

Company Code

Fiscal Year

Reference

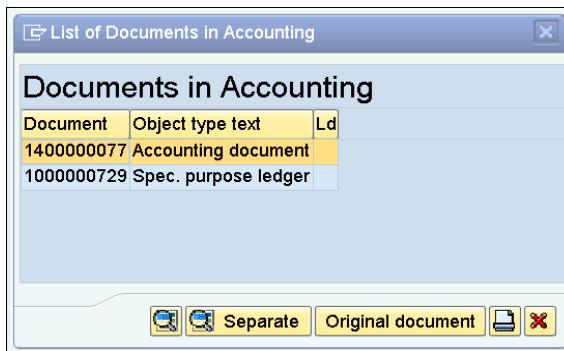
**Search**

1. Click on **ReleaseToAccounting (Shift+F4)** to release the document to accounting.

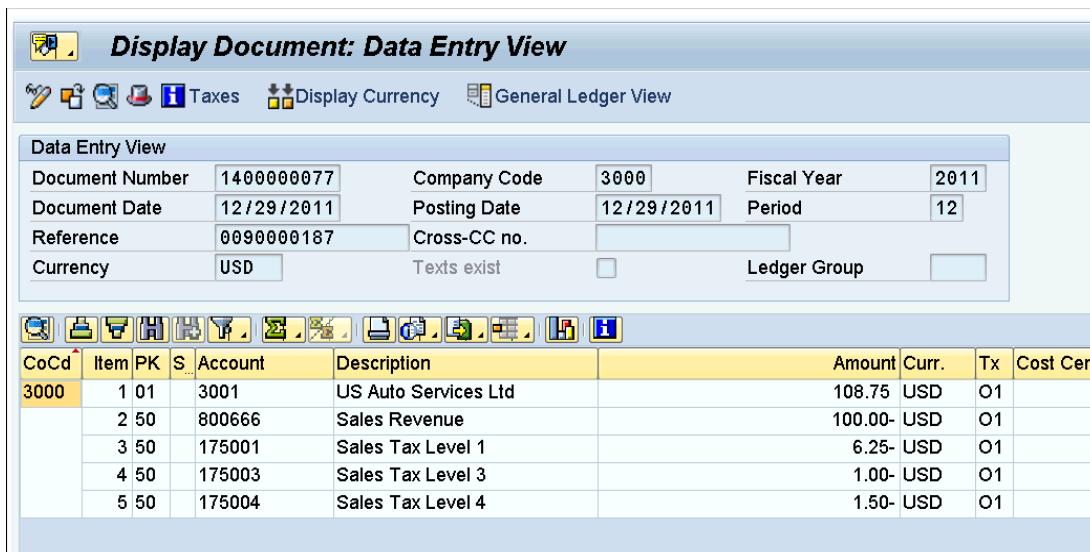
You will see a message similar to **The document has already been passed on to accounting**

2. Click on  Accounting to post to the GL.

3. Select the Accounting Document and double click it.



4. The document is now posted to the GL.



The screen is titled 'Display Document: Data Entry View' and shows the following data:

Document Number	1400000077	Company Code	3000	Fiscal Year	2011
Document Date	12/29/2011	Posting Date	12/29/2011	Period	12
Reference	0090000187	Cross-CC no.			
Currency	USD	Texts exist	<input type="checkbox"/>	Ledger Group	

Below this is a table of posted entries:

CoCd	Item	PK	S	Account	Description	Amount	Curr.	Tx	Cost Cent
3000	1	01		3001	US Auto Services Ltd	108.75	USD	O1	
	2	50		800666	Sales Revenue	100.00-	USD	O1	
	3	50		175001	Sales Tax Level 1	6.25-	USD	O1	
	4	50		175003	Sales Tax Level 3	1.00-	USD	O1	
	5	50		175004	Sales Tax Level 4	1.50-	USD	O1	



# SEPARATING RECOVERABLE AND NON-RECOVERABLE TAXES

ONESOURCE Indirect Tax can separate non-recoverable taxes from recoverable taxes. This feature is most applicable to EU VAT, but can be applied conceptually to any VAT regime, such as Canada GST.

This chapter describes the SAP configurations needed to post the recoverable and non-recoverable taxes in separate G/L accounts. Your configurations on account key and G/L may differ according to your business needs.

Please test transactions end-to-end to ensure that G/L accounts and ONESOURCE Indirect Tax audit database are updated correctly.

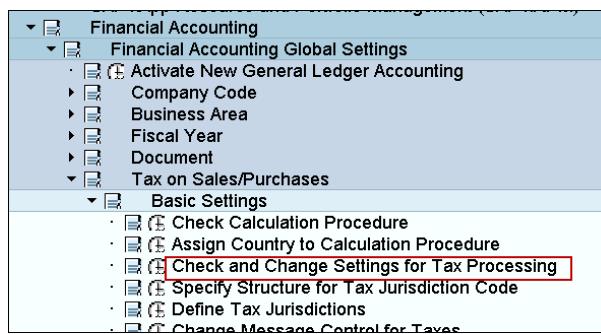
## SEPARATING CANADIAN NON-RECOVERABLE TAXES FROM RECOVERABLE TAXES



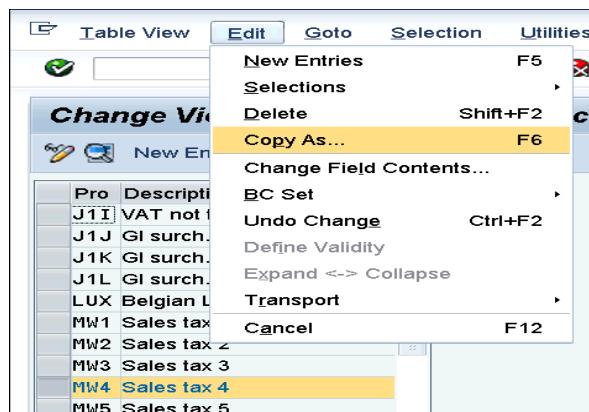
In addition to following the procedures described here, ONESOURCE Indirect Tax recommends that you obtain accounting and consulting help from your SAP IT team to ensure that these configurations meet your needs and that G/L posting is performed correctly.

### DEFINING THE NEW ACCOUNT KEY MW5

1. From IMG, navigate to **Financial Accounting > Financial Accounting Global Settings > Tax on Sales/Purchases > Basic Settings > Check and Change Settings for Tax Processing**



2. Select **Check and Change Settings for Tax Processing** and click
3. Select the account key **MW4** and select **Edit > Copy As** from the menu.



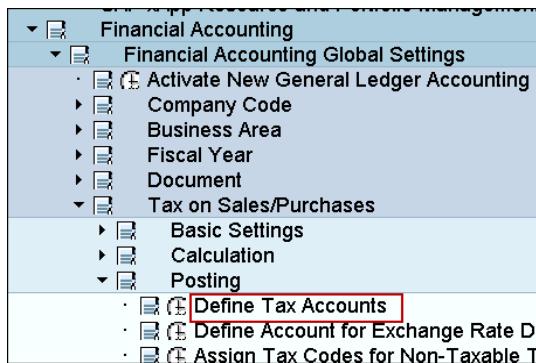
4. Change *MW4* to *MW5* and save your work.

**Change View "Tax Processing in Accounting"**

Process	<input type="text" value="MW5"/>
<b>General details</b>	
Description	<input type="text" value="Sales tax 5"/>
Tax type	<input checked="" type="checkbox"/> Output tax
Not deductible	<input type="checkbox"/>
Posting indic.	<input checked="" type="checkbox"/> Separate line item
Not discnt rel.	<input type="checkbox"/>

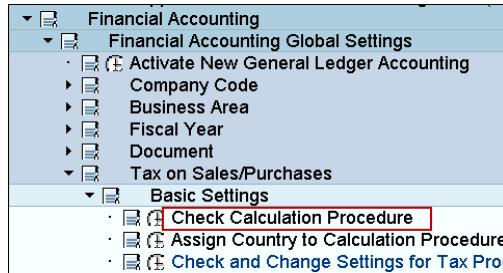
## ASSIGNING THE G/L ACCOUNT NUMBER TO THE ACCOUNT KEY

1. Verify that your accounting department has provided the correct account number to complete this configuration.
2. From IMG, navigate to **Financial Accounting > Financial Accounting Global Settings > Tax on Sales/Purchases > Posting > Define Tax Accounts**.

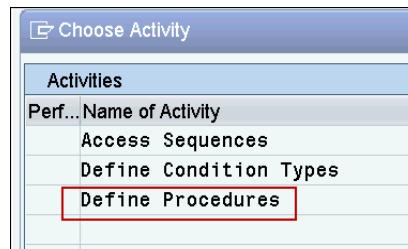


## REPLACING MW4 WITH MW5 ON CONDITION TYPE XP5U IN THE TAX PROCEDURE

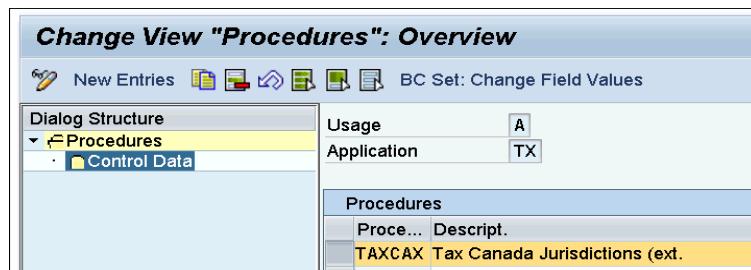
1. From IMG, navigate to **Financial Accounting > Financial Accounting Global Settings > Tax on Sales/Purchases > Basic Settings > Check Calculation Procedure**



2. Select **Check Calculation Procedure** and click .



3. Double-click **Define Procedure**.



4. Select **TAXCAX** and double-click **Control Data** in the left hand portion of this screen.

Procedure	TAXCAX Tax Canada Jurisdictions (ext.)																					
Control Data																						
Reference Step Overview																						
Step	Cou...	CTyp	Description	Fro	To	Ma...	Re...	Stat...	P.SuTot	Reqt	CalType BasTy... AccKeyAccrua											
350	0	XP5E	A/P Sales Tax 5 Exp	100						305	VS4											
360	0	XP6E	A/P Sales Tax 6 Exp	100						306	VS4											
400	0		Self-assessment																			
410	0	XP1U	A/P Sales Tax 1 Use	210						311	MW1											
420	0	XP2U	A/P Sales Tax 2 Use	220						312	MW2											
430	0	XP3U	A/P Sales Tax 3 Use	230						313	MW3											
440	0	XP4U	A/P Sales Tax 4 Use	240						314	MW4											
450	0	XP5U	A/P Sales Tax 5 Use	250						315	MW4											
460	0	XP6U	A/P Sales Tax 6 Use	260						316	MW4											
500	0		Acrued																			
510	0	XR1	A/R Sales Tax 1	100						301	MW1											
520	0	XR2	A/R Sales Tax 2	100						302	MW2											
530	0	XR3	A/R Sales Tax 3	100						303	MW3											
540	0	XR4	A/R Sales Tax 4	100						304	MW4											

5. Locate the condition type **XP5U** and replace **MW4** with **MW5**

Procedure TAXCAX Tax Canada Jurisdictions (ext.)										
Control Data										
Reference Step Overview										
Step	Cou...	CTyp	Description	Fro	To	Ma...	Re...	Stat...	P.Su	Tot
330	0	XP3E	A/P Sales Tax 3 Exp.	100		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	303	VS3
340	0	XP4E	A/P Sales Tax 4 Exp.	100		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	304	VS4
350	0	XP5E	A/P Sales Tax 5 Exp	100		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	305	VS4
360	0	XP6E	A/P Sales Tax 6 Exp	100		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	306	VS4
400	0		Self-assessment			<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
410	0	XP1U	A/P Sales Tax 1 Use	210		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	311	MW1
420	0	XP2U	A/P Sales Tax 2 Use	220		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	312	MW2
430	0	XP3U	A/P Sales Tax 3 Use	230		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	313	MW3
440	0	XP4U	A/P Sales Tax 4 Use	240		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	314	MW4
450	0	XP5U	A/P Sales Tax 5 Use	250		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	315	MW5
460	0	XP6U	A/P Sales Tax 6 Use	260		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	316	MW4
500	0		Acrued			<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
510	0	XR1	A/R Sales Tax 1	100		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	301	MW1
520	0	XR2	A/R Sales Tax 2	100		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	302	MW2



ONESOURCE Indirect Tax has already mapped Non-Recoverable taxes to the fifth bucket in the *taxMappings.xml* file, which is a integral part of Integration code. If you are using this jurisdiction level for any other purpose, you must configure a different condition type to receive the non-recoverable taxes. You must also do a corresponding mapping in the *taxMappingsExtension.xml* file.

