

ONESOURCE™ INDIRECT TAX INTEGRATION FOR SAP BUSINESS ONE

USER GUIDE
PRODUCT VERSION 1.2.0.0
Document Version 1.0

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DOCUMENT HISTORY

VERSION NUMBER	VERSION DATE	SUMMARY
1.0.0.0	June 2023	SAP Business One Integration - Setup, Configuration and User Guide – Initial Version
1.1.0.0	February 2024	Support for HANA DB compatibility
1.2.0.0	December 2024	Recording API Log

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Integration Overview

Thomson Reuters offers a cloud-based integration of ONESOURCE Determination with SAP Business One for Canada Federal and Provincial Goods and Services Tax (GST). ONESOURCE Determination integrates with SAP Business One through the SAP Business One Service Layer, an integration application that exposes Business One data and services, maps ONESOURCE Determination fields to the SAP Business One fields and returns the Calculated Tax amounts and rates.

This integration will support the following events from SAP Business One.

- Estimate Tax Calculation Calls for Sales Quotations, Sales Orders, Purchase Quotations and Purchase Orders
- Audited Tax Calculation Calls for Accounts Receivable Invoices and Cancellation of A/R Invoices, A/P Invoices and Cancellation of A/P Invoices
- Estimate and Audited Tax Calls for Sales Returns or A/R Credit Memos, Purchase Returns or A/P Credit Memos

ONESOURCE Indirect Tax Determination using the REST API for SAP Business One is supported for the SAP SQL Version. These extensions would work for both the on-premise environment and cloud cluster. In addition, with this release, HANA DB compatibility is now supported.

Prerequisites

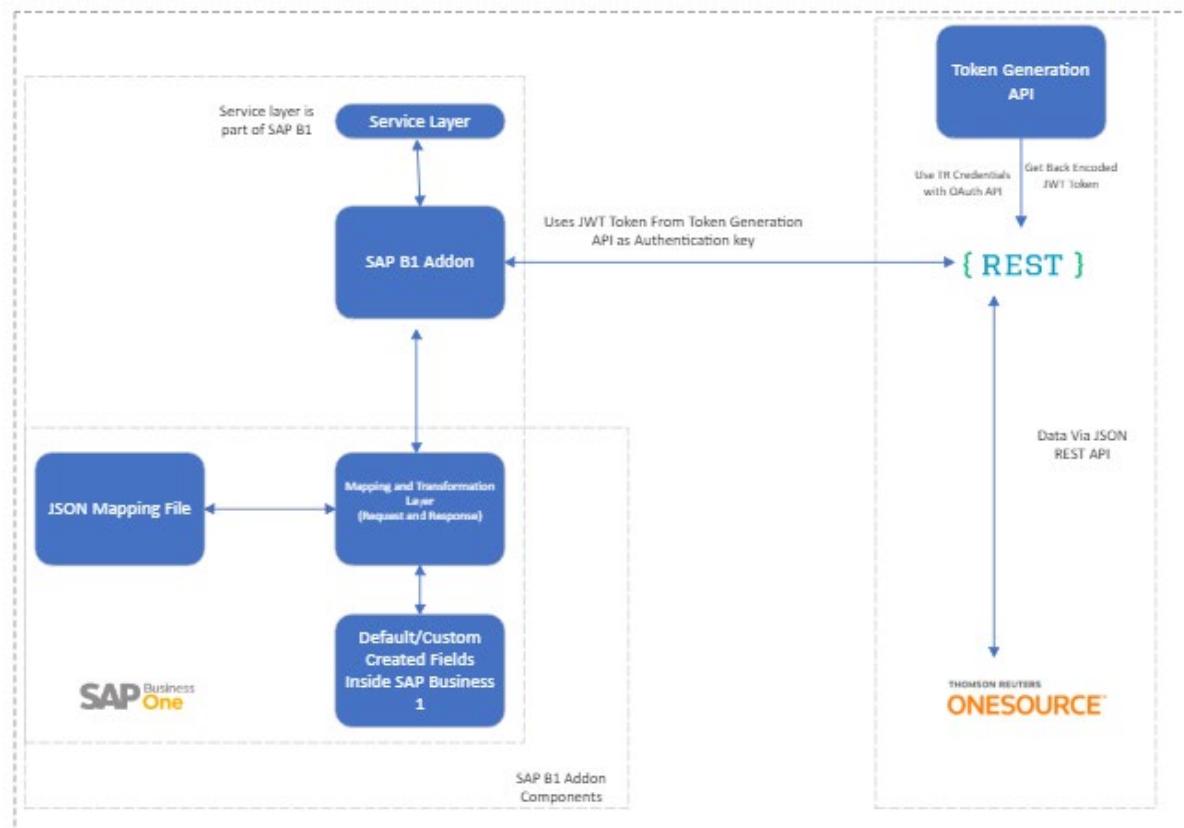
This integration is supported for SAP Business One (SQL) version 10.0 or higher for both On Cloud and On-Premise deployments. In addition, HANA DB compatibility is now supported.

For a successful implementation of the integration with SAP Business One, please ensure you have procured the necessary packages and followed the implementation steps outlined below:

Platform	Component	Description
SAP Business One	Local and Cloud environment	<ul style="list-style-type: none">• Add and activate the Thomson Reuters SAP Business One extensions to the system setup.• Build and update the system with Canada localization settings to activate the extensions.• Maintain relevant system configuration for various integration options including connection details and authentication options.
ONESOURCE Determination	Cloud Environment	<ul style="list-style-type: none">• Set up of the External Company ID that uniquely identifies the tax request within the ONESOURCE Determination solution for audit, reporting, and returns purposes.

- OAuth2 authentication details are required to set up the integration.

Architecture and Design Overview



The Thomson Reuters ONESOURCE Determination Integration with SAP Business One uses the Service Layer to seamlessly connect to the Indirect Tax Calculation REST API.

This extension or add-on needs to be added to your setup to trigger and manage the tax calculation calls.

To support this integration, you will need to have some additional fields on your marketing documents in SAP B1. These fields provide extra information needed for the tax breakdown.

To display the calculated taxes from ONESOURCE Determination, this integration utilizes the Freight Setup functionality within SAP Business One to define the various levels of authorities.

For security purposes, authentication and client credentials will be verified with every tax call. Your credentials are securely stored under the company setup.

Known Limitations

- ONESOURCE Indirect Tax Determination using the REST API for SAP Business One is only supported for the SAP SQL Version. These extensions would work for both the on-premise environment and cloud cluster. In this release, HANA DB compatibility is not supported.
- The tax integration supports only one delivery addresses per document. Taxes will be determined based on this address.
- The Summarization feature is not yet available for this release.
- Batch processing of invoices for both sales and purchase processes are not supported.

Business Process Description

Order to Cash Process

Here the tax determination within SAP Business ONE is supported right from the quotation transaction. The quote will call ONESOURCE Indirect Tax Determination for tax calculation but will not record the tax liability (commit the transaction). After the quote is converted into an order, ONESOURCE Indirect Tax Determination will again be called to update the tax amount as it could change due to factors such as dates, pricing, quantities etc.

Depending on the tax jurisdiction, shipping costs that are added in the sales order could be a taxable or non-taxable event. After the shipping process, an invoice is generated and ONESOURCE Indirect Tax is called again for a final update of the taxes. Once the final invoice is created, ONESOURCE Indirect Tax Determination is updated by a final commit tax call with the tax liability stored for future reporting and returns processing.

A Correlation ID is generated for each document, which can be used for audit, tracking and reconciliation purposes.

The business processes covered by this integration are:

- Sales Quotes
- Sales Orders
- Sales Invoices
- Credit Memos
- Invoice Void/Cancellations

Procure to Pay Process

Similar to the Order to Cash process, tax determination within SAP Business ONE is supported right from the purchase quotation to AP invoice transaction. The quote will call ONESOURCE Indirect Tax Determination for tax calculation but will not record the tax liability (commit the transaction). After the quote is converted into a purchase order, ONESOURCE Indirect Tax Determination will again be called to update the tax amount as it could change due to differences in dates, pricing, quantities etc.

As well, depending on the tax jurisdiction, shipping costs that are added in the purchase order could be a taxable or non-taxable item. After the shipping process, a purchase invoice is generated and ONESOURCE Indirect Tax is called again for a final update of the taxes. Once the final invoice is created, ONESOURCE Indirect Tax Determination is updated by a final commit tax call with the tax liability stored for future reporting and returns processing.

A Correlation ID is generated for each document, which can be used for audit, tracking and reconciliation purposes.

Within the purchase invoice, this solution also integrates with the ONESOURCE Determination Vendor Charge Tax Verification (VCT-V) functionality for PST Provinces. This feature automates the decision-making process to support and handle differences between ONESOURCE Determination calculated tax and the vendor charged tax by using the ONESOURCE Determination VCT-V functionality for vendor invoices.

In this solution, we are not using the default SAP Tax engine to calculate taxes. Instead, an "N/A" tax code with a 0% rate will be applied by the tax determination process. Since the default functionality does not calculate the tax amount, it will not be included in the stock during a purchase invoice (if user wants to evaluate the tax amount to the stock).

To ensure compliance with statutory requirements, we use a Landed Cost transaction to allocate the tax amount to the stock. After posting an Accounts Payable (AP) invoice, a landed cost document will be automatically created to offset the purchase tax clearing account.

By using this approach, we ensure that the correct tax amount is accounted for while meeting the necessary legal regulations.

The business processes covered by this integration are:

- Purchase Quotes
- Purchase Orders
- Purchase Invoicing
- Purchase Credit Memos
- Invoice Void/Cancellations

How does the integration work?

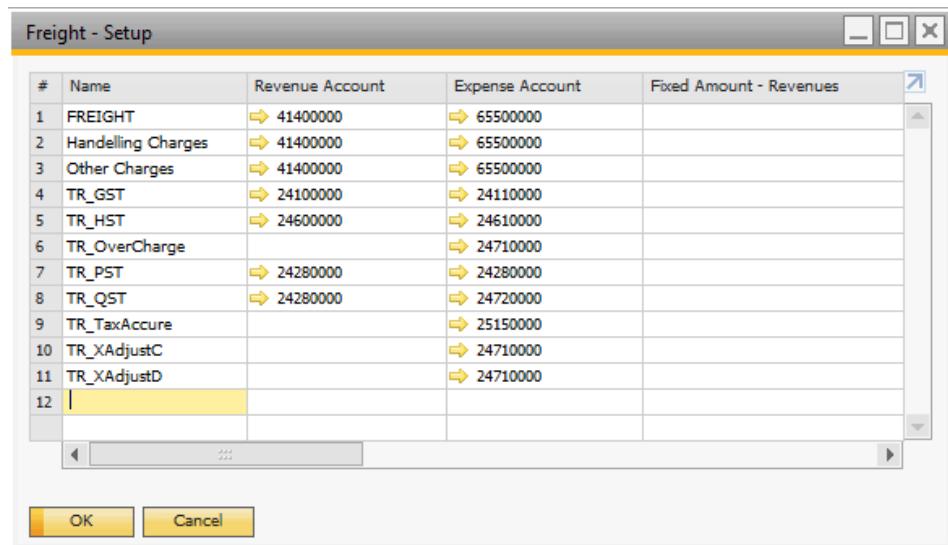
Display of Tax Authority Levels

In Canada, each taxation authority imposes tax based on jurisdictions. After taxes are determined for each authority from ONESOURCE Indirect Tax, it gets assigned to relevant tax authority levels in Business One. In this integration we have mapped the following tax authority levels based on the effective zone levels as follows:

Business One Tax Authority Level	Effective Zone
TR_GSTTax	GST
TR_HSTTax	HST
TR_PSTTax	PST
TR_QSTTax	QST

This integration utilizes the Freight Setup functionality within SAP Business One to define the various levels of tax authorities determined from ONESOURCE Determination.

To access Freight Setup: In SAP Business One, navigate to **Administration > Setup > Financials > Freight Setup**. The various breakdown of the taxes will be set up automatically when you import the extension.



Tax Code Usage and Tax Liable Indicator

- With this solution, you are no longer required to set up tax codes as the SAP default Tax engine is not used. A default tax code of "N/A" will be created automatically during the installation process.
- Additionally on the item level, you can indicate if the taxes are liable or not by selecting "Yes" or "No" under the "Tax Liable" column. We recommend to always indicate the line item as Tax Liable and have ONESOURCE determine the taxability status of the item instead.

Sales Quotation

Customer	C0001	No.	Primary	25
Name	envolkan@gmail.com Engin Vc	Status	Open	
Contact Person		Posting Date	09/23/22	
Customer Ref. No.	Commerce_US_Shipping_Return	Valid Until	10/23/22	
Local Currency		Document Date	09/23/22	

Contents Logistics Accounting Attachments

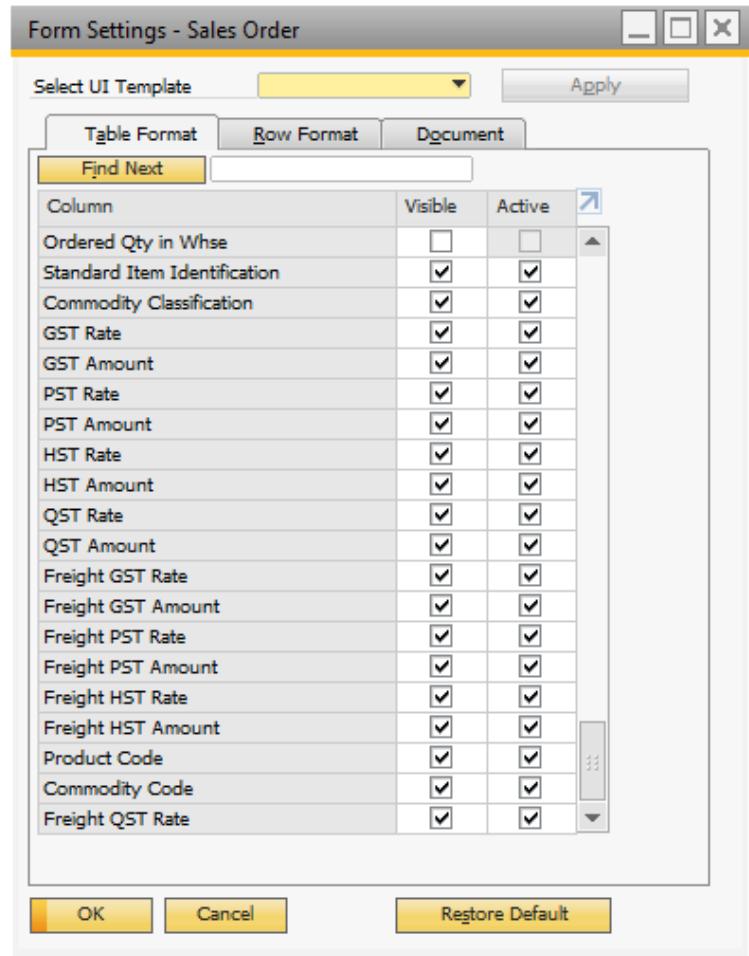
Item/Service Type	Item No.	Item Description	Quantity	Unit Price	Discount %	Tax Code		Total (LC)	Whse	Tax Liable	Freight 1	Freight 1 (LC)	Distribute Freight	Distrib. Amount (LC)	UoM Code	UoM Name	Country/Region ...	Summary Type	No Summary
1	12	Item No1 With Product code	5	\$ 34.00	0.000	NA	NA	\$ 170.00	W8	Yes	▼	▼	Yes	▼	Manual	EACH	USA		
2	00102	Item No1 With Product Code	5	\$ 7.50	0.000	NA	NA	\$ 37.50	W8	Yes	▼	▼	Yes	▼	Manual	EACH	USA		
3					0.000														

Sales Employee: -No Sales Employee- Owner: Tax Amount: 14.03

Total Before Discount: \$ 207.50
 Discount: %
 Sales Tax & Freight: \$ 14.03
 Rounding
 Tax: Total: \$ 221.53

Remarks: ok

OK Add Draft & New Cancel Calculate Tax Copy From Copy To



- After entering all the details of the document, such as customer, date, reference, items details, unit price, quantity, discount (line and document level), warehouse (ship from location), and the ship to location, the user is required to click on the “Calculate” button to check and see the tax amount for the transaction.
- If any changes occur after calculating the tax and you attempt to save the transaction without recalculating, the system will automatically trigger the recalculation and apply the correct tax amount.
- Once all necessary information is entered and the system calculates the tax based on the address and jurisdiction, the tax amount will be displayed in the freight table, as shown in the image below. This window provides an overview of freight charges, other fees, and jurisdiction-specific tax details for final posting.

Do Not Display Freight Charges with Zero Amount

#	Freight Name	Remarks	Tax Code	Total Tax Amount	Distrib. Method	Net Amount	Status
1	FREIGHT			\$ 0.00	None	\$ 0.00	O
2	Handelling Charges			\$ 0.00	None	\$ 0.00	O
3	Other Charges			\$ 0.00	None	\$ 0.00	O
4	TR_GST			\$ 0.00	None	\$ 0.00	O
5	TR_HST		➡ N/A	➡ \$ 0.00	None	\$ 260.00	O
6	TR_OverCharge			\$ 0.00	None	\$ 0.00	O
7	TR_PST			\$ 0.00	None	\$ 0.00	O
8	TR_QST			\$ 0.00	None	\$ 0.00	O
9	TR_TaxAccure			\$ 0.00	None	\$ 0.00	O
10	TR_XAdjustC			\$ 0.00	None	\$ 0.00	O
11	TR_XAdjustD			\$ 0.00	None	\$ 0.00	O
							\$ 260.00

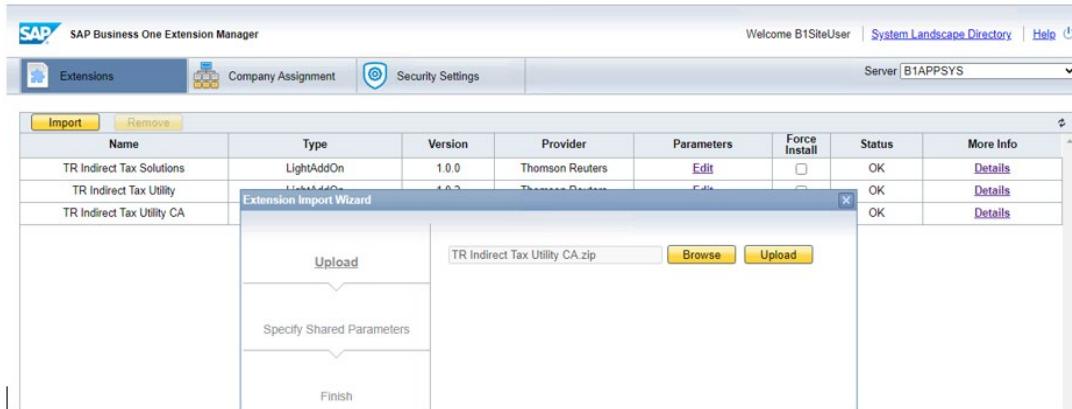
OK Cancel

- If charges have no distribution method, the total tax amount and consolidated tax rate will be displayed in the Tax Rate and Tax Amount fields, while the Net Amount field will show the overall total.
- This solution supports Vendor Charged Tax (VCT) functionality during the purchase process, with different accrual methods available depending on VCT configuration. If accrue tax is identified, the "TR_AccrueVariance" line item in the freight setup will be used to capture the accrual amount. This line item is applicable only if accrual methods are set to Accrue Variance or Accrue Total Tax in ONESOURCE Determination.
- If the accrual method is HOLD PAYMENT, the system will prevent posting the transaction until the user modifies the details or the system receives another accrual method. In such cases, users can save the document as a draft and later finalize it.
- If the accrual method is Pay_VCT_No_Accrual, the system will include the VCT (-) Calculated Tax variance amount in a separate line item called "TR_Other," which will also be considered in landed cost calculations. Regardless of the tax charged by the supplier, the same amount will be paid to the supplier in this scenario.

Installation and Set Up

Importing an Extension

- Download the SAP Business One TR Indirect Tax Extension (Add-on) from the shared linked by THOMSON REUTERS. You need to have a valid subscription of the solution.
- Log in to SAP Business One Extension Manager, go to **Administration> Add-ons> Add-on Administration** and then click on **Extensions > Import**.
- The Extension Import Wizard window appears. Choose the Browse button to locate the zip file of your extension and choose Upload. Follow the prompts to complete the setup.



Assigning an Extension to a Company

- After performing the import, go to the **Company Assignment** tab. From the company list, select the company to which you want to assign the extension. Choose **Assign** to complete the setup.

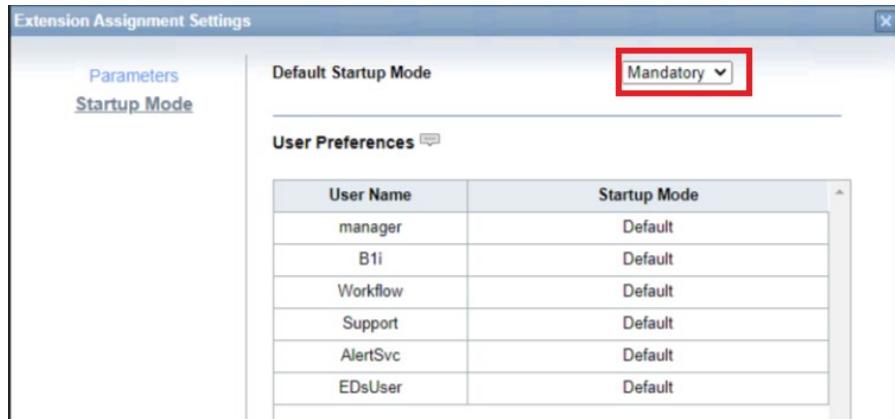


Specify Startup Mode

This is an on-time activity to default the Extension Startup Mode or to change a startup mode for a specific user.

To automatically run the extension for all transactions, from the Specify Setup Mode tab, select the default startup mode of this extension and specify the user preferences, and choose Next.

We recommend that you set the default startup mode to **Mandatory**, so that the extension starts automatically to enable all transactions created within SAP Business One to apply the ONESOURCE Indirect Tax Determination application.

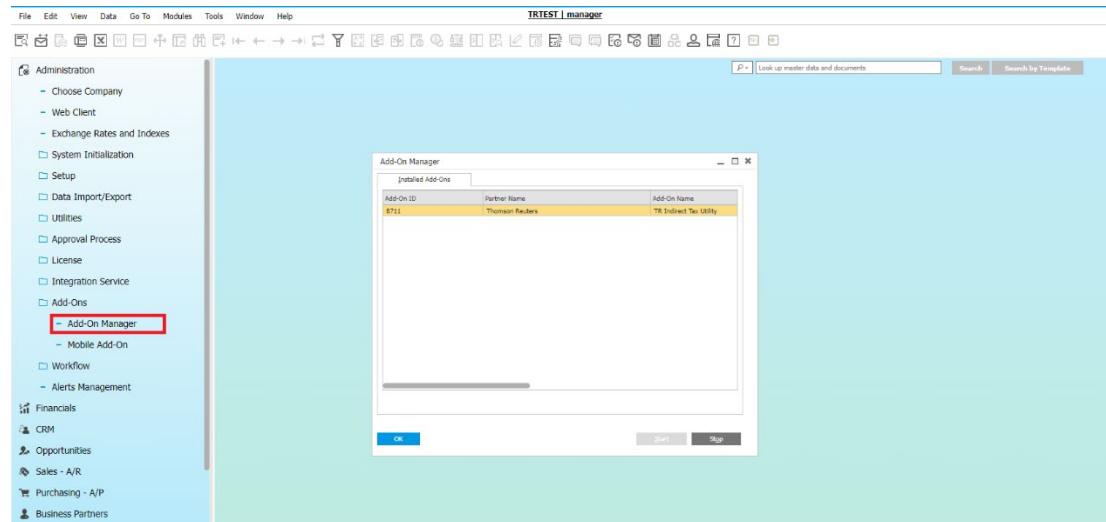


Running the Extension in SAP Business One

After you assign the extension to a company, the SAP Business One client will automatically load the extension the next time you log on to the company. If you have set the startup mode to **Automatic**, you now need to manually start the extension each time you log in.

From the SAP Business One Main Menu, choose **Administration> Add-Ons> Add-On Manager**. Select the extension and click on **Start**.

The SAP Business One client will start the system configuration and create the required fields and tables.

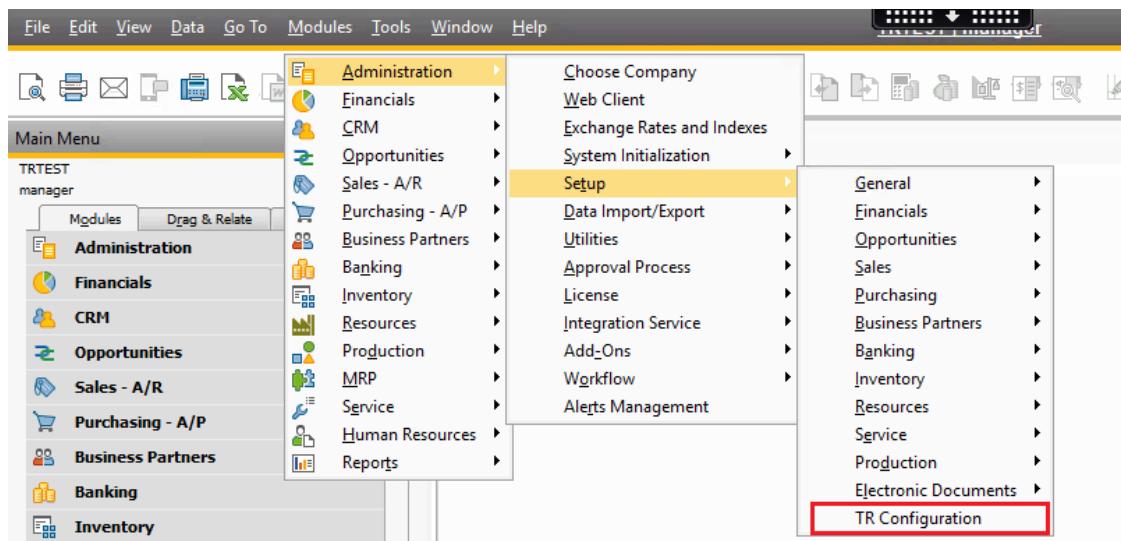


Connecting SAP Business One to ONESOURCE Determination

This section outlines the configuration steps required as an initial set up to connect your SAP Business One client to ONESOURCE Determination.

Company Setup

A custom TR menu is now available to carry out the relevant configurations for this integration. From the Main Menu, go to **Administration> Setup> TR Configuration**.



Fill in the required information as follows:

Field	Description
Company Name	The company name and corresponding branches will be automatically loaded.
TR Internal ID	This is the External Company ID within ONESOURCE. Determination that uniquely identifies your company for its rules, rates, and other processing logic to be applied.
TR Client ID	This is the client id required for OAuth2 authentication of the tax calls. Obtain this information from your Professional Services team.
Secret ID	This is the client secret Id required for OAuth2 authentication of the tax calls. Obtain this information from your Professional Services team.

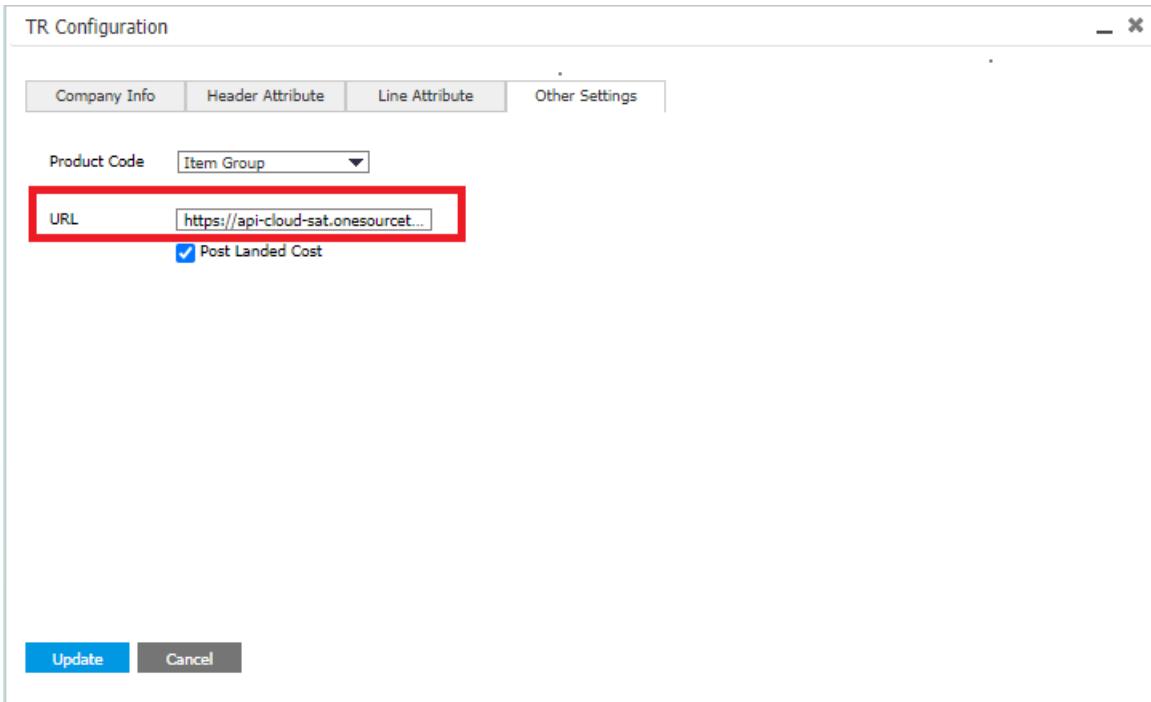
TR Configuration

Company Info		Header Attribute	Line Attribute	Other Settings
#	Company Name	TR Internal ID	TR Client ID	Secret ID
1	SAP DEV US Business One	INTSAPDEV_USBusinessOne	jW65Er5NjzYPW4qw1DA0vcpEEjeeZ4EH	VDmG3rpkoxvJO684y
2				

OK Cancel

Maintaining ONESOURCE Determination URL

Go to the **Other Settings** tab and enter the Determination URL as provided by Thomson Reuters. This is a one-time set up.

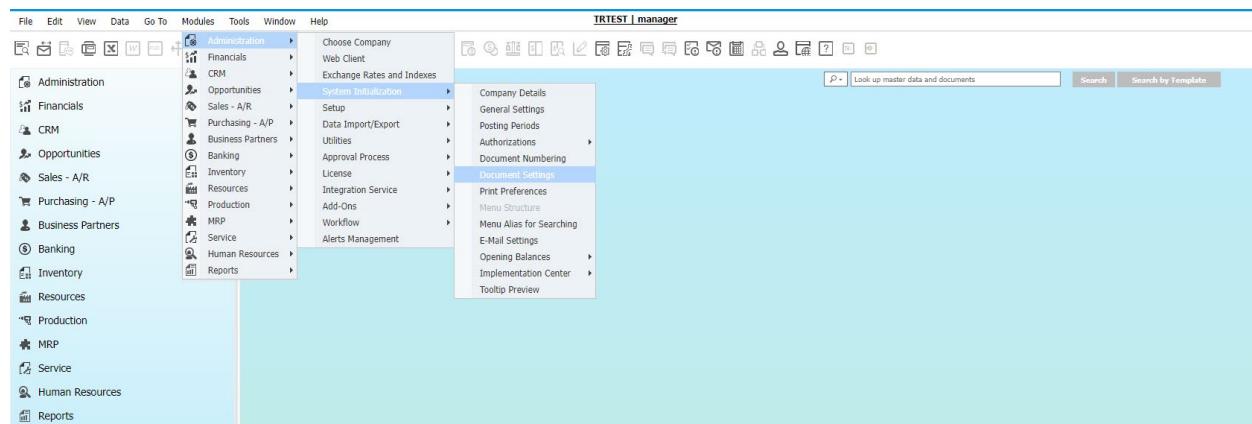


Functional Configuration

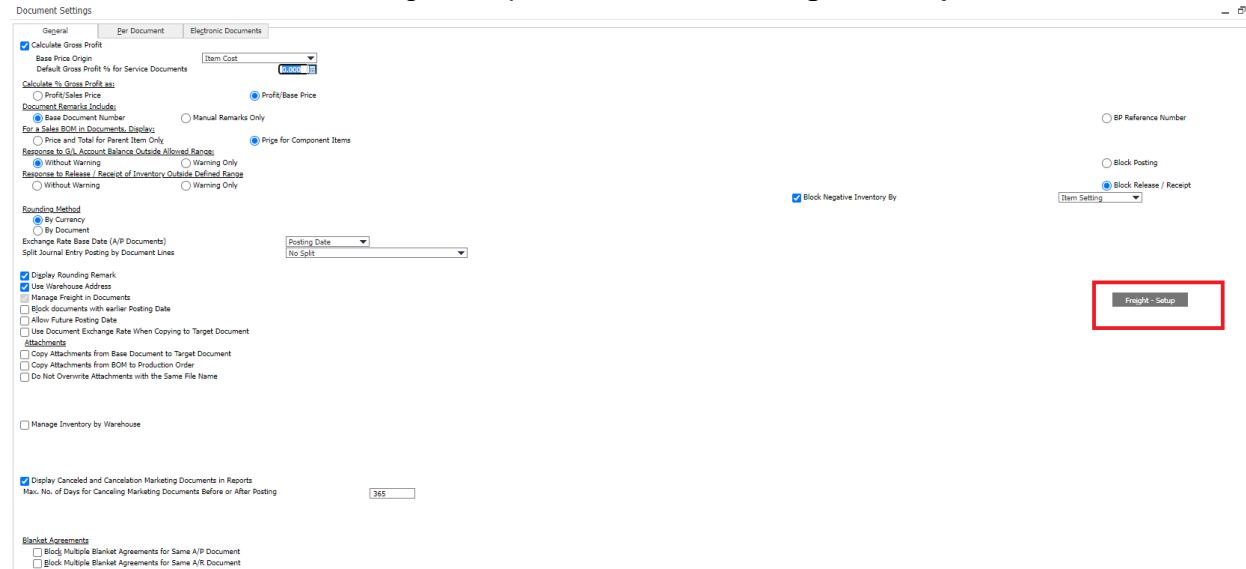
General Ledger Set Up

To define the General Ledger (G/L) accounts for the various tax levels in the integration. By defining the G/L accounts for each tax level in the Document Settings, you ensure that the integration correctly handles the posting of taxes to the respective G/L accounts based on the determined tax jurisdictions.

From the SAP Business One Main Menu, navigate to **Administration > System Initializations > Document Settings**.

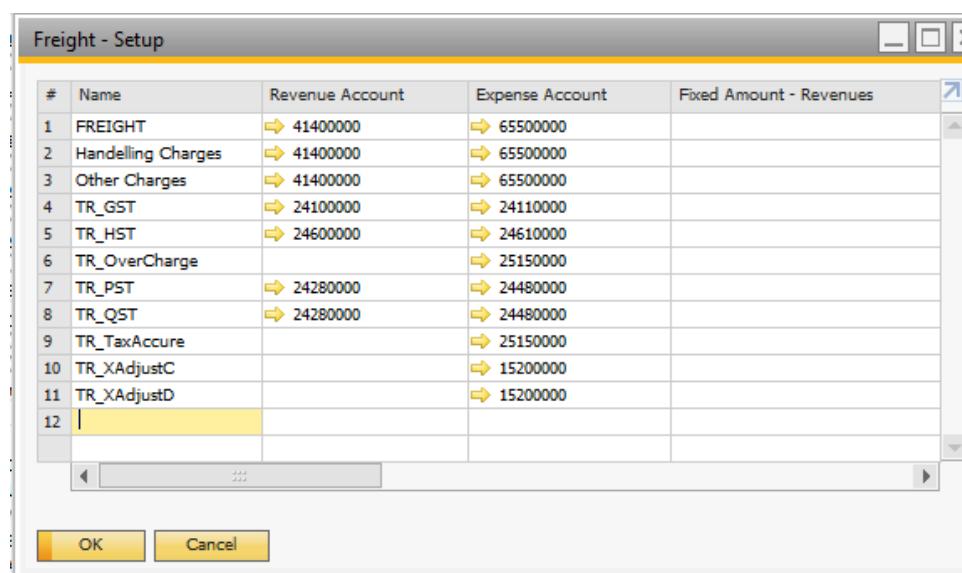


Scroll down and locate the "Freight Setup" section. Click on **Freight – Setup** button.



The screenshot shows the 'Document Settings' screen with the 'General' tab selected. In the 'Freight Setup' section, the 'Freight - Setup' button is highlighted with a red box.

Within the Freight Setup section, you will find options to define the G/L accounts for different tax levels or jurisdictions.



The 'Freight - Setup' dialog box displays a table of G/L accounts:

#	Name	Revenue Account	Expense Account	Fixed Amount - Revenues
1	FREIGHT	41400000	65500000	
2	Handelling Charges	41400000	65500000	
3	Other Charges	41400000	65500000	
4	TR_GST	24100000	24110000	
5	TR_HST	24600000	24610000	
6	TR_OverCharge		25150000	
7	TR_PST	24280000	24480000	
8	TR_QST	24280000	24480000	
9	TR_TaxAccure		25150000	
10	TR_XAdjustC		15200000	
11	TR_XAdjustD		15200000	
12				

At the bottom of the dialog box are 'OK' and 'Cancel' buttons.

This section provides guidance to assign the appropriate G/L for the following processes. These are only recommended G/L account set up, please work with your G/L accountant to define the correct accounts for your company.

G/L setup for Sales Process

Maintain the appropriate G/L account under the **Revenue Account** setup for each authority level.

For Canada, the following authority levels are defined.

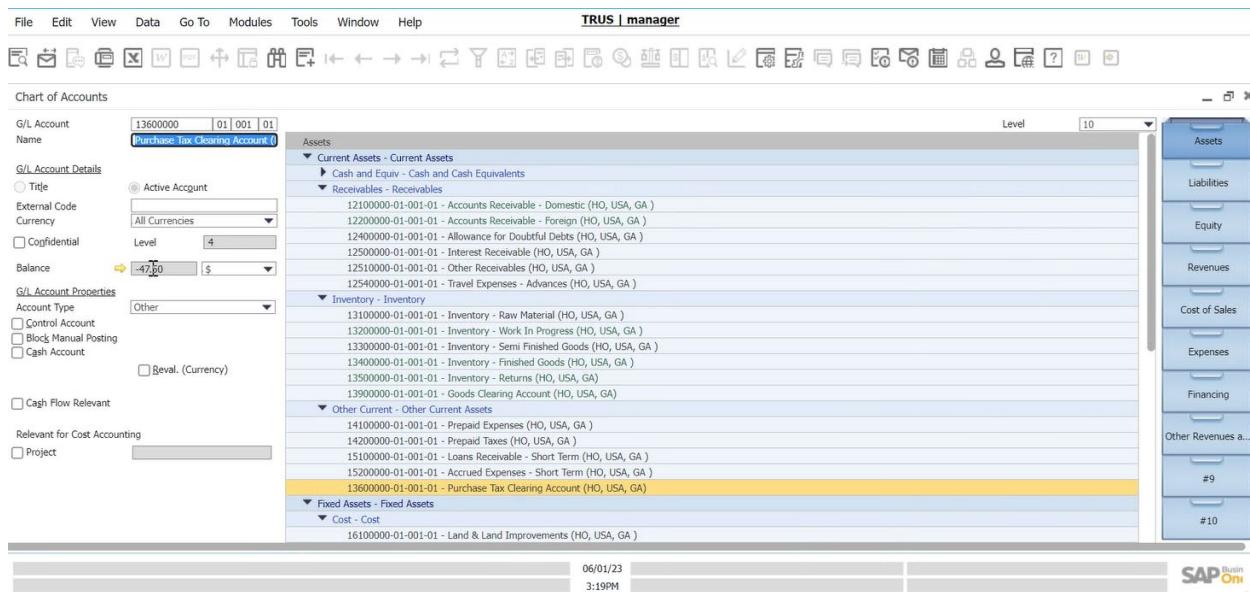
Tax Account	Description
TR_GST	G/L account where the city authority tax amount will be posted to under the Revenue Account setup.
TR_HST	G/L account where the county authority tax amount will be posted to under the Revenue Account setup.
TR_PST	G/L account where the district authority tax amount will be posted to under the Revenue Account setup.
TR_QST	G/L account where the state authority tax amount will be posted to under the Revenue Account setup.

G/L setup for General Purchase Process

Maintain the appropriate G/L account under the **Expense Account** setup for each authority level. This would be the required setup to support the Purchase processes.

Create a G/L account in the Asset category called "Purchase Tax Clearing account." This account will be used for expense purposes related to the integration.

The screenshot below shows the setup of the Purchase Tax Clearing account.



For Canada, the following authority levels are defined.

Tax Account	Description
TR_GST	G/L account where the city authority tax amount will be posted to under the Expense Account setup.
TR_HST	G/L account where the county authority tax amount will be posted to under the Expense Account setup.
TR_PST	G/L account where the district authority tax amount will be posted to under the Revenue Account setup.
TR_QST	G/L account where the state authority tax amount will be posted to under the Revenue Account setup.

By setting up the G/L accounts as described above, you can ensure that the tax amounts collected for each authority in the processes are accurately recorded as revenue. Expenses related to these tax amounts will be recorded in the "Purchase Tax Clearing Account."

Additional G/L setup for Vendor Charged Tax Process

Additionally, if you are implementing the Vendor Charged Tax functionality within ONESOURCE Determination, additional G/L accounts are required.

NOTE : The application of VCT for ONESOURCE Determination is limited to the PST portion

Create a special G/L account in the Asset category called "Purchase Tax Clearing account." This account will be used for expense purposes related to the integration.

Assign the "Purchase Tax Clearing account" to all "TR_" related components except for "TR_TaxAccrue." This ensures that expenses associated with these components are recorded in the designated G/L account.

For the "TR_TaxAccrue" component, apply the Accrual Tax account. This account is specifically used for accruing variances related to the Vendor Charge Tax (VCT) functionality. This G/L account is to be created under the Liability section.

Tax Account	Description
TR_OverCharge	G/L account in expenses where the VCT overcharge tax amount will be booked during purchase. Apply the "Purchase Tax Clearing Account."
TR_TaxAccrue	G/L account in expenses where the VCT Accrue Variance tax amount will be booked during purchase. Apply the "Accrue Variance Account".

TR_XAdjustC	G/L account used when an AP invoice is canceled, or when an AP credit note is created after Landed Cost document is created to settle the tax amount evaluated through Landed Cost. Apply the "Purchase Tax Clearing Account".
TR_XAdjustD	G/L account used when an AP invoice is canceled, canceled, or when an AP credit note is created after Landed Cost document is created to settle the tax amount evaluated through Landed Cost. Apply the "Price Difference Account" here.

By configuring these G/L accounts as specified, you can ensure that the relevant tax amounts and adjustments are correctly recorded in the expense accounts during the purchase process, taking into account VCT overcharges, Accrue Variance, and adjustments due to cancellations or credit notes.

Master Data Maintenance

This section lists the required master data that needs to be configured in your SAP Business One client.

Customer Addresses (Ship-To) for Sales

Addresses are important elements to determine the tax for shipping goods from one location to another location. In this solution, ship-to addresses are defined in the customer master.

To define the ship-to addresses, go to **Business Partner Master Data > Addresses** tab. Select address type Ship-To, and click on **Define New**.

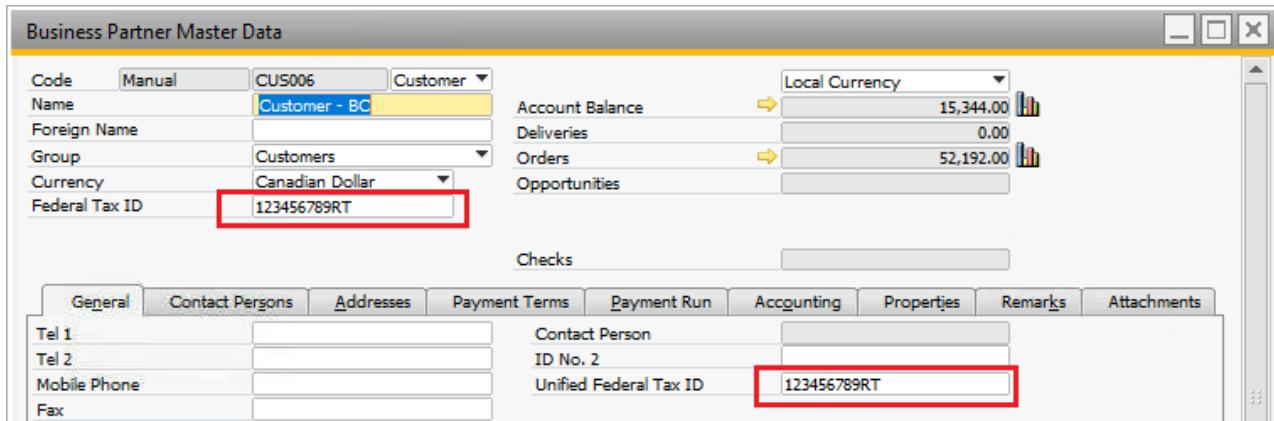
The screenshot shows the SAP Business Partner Master Data interface. The top navigation bar includes 'General', 'Contact Persons', 'Addresses', 'Payment Terms', 'Payment Run', 'Accounting', 'Properties', 'Remarks', and 'Attachments'. The 'Addresses' tab is active. The 'Ship To' section is expanded, showing an address for 'ON'. The 'Set as Default' button is highlighted in yellow at the bottom left of the address form.

Enter the Address ID. Under the Country/ Region field, by default, this information will be populated per the country localization settings. You may change this information if required.

Enter the address details like state, county, city, Zip code/Postal Code, Geo Code etc. Save the address.

Customer Registration Number (Buyer Registration)

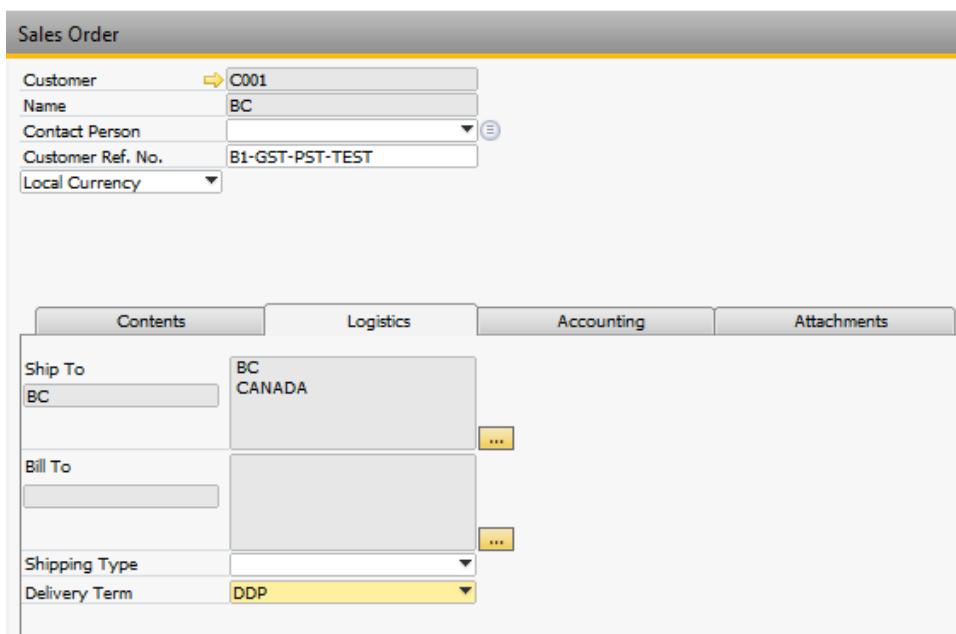
ONESOURCE Determination uses registration numbers as a component to determine which Canadian taxes applies to the transaction. Maintain the customer tax registration number on the Business Partner Master Data under the field Federal Tax ID.



The screenshot shows the 'Business Partner Master Data' window. In the 'General' tab, the 'Federal Tax ID' field is highlighted with a red box and contains the value '123456789RT'. In the 'Contact Persons' tab, the 'Unified Federal Tax ID' field is also highlighted with a red box and contains the same value '123456789RT'.

Delivery Terms (Incoterms)

Enter the incoterms (delivery terms) in the logistic Tab under sales documents, there will be predefined all the standard delivery terms are automatically in sales documents.



The screenshot shows the 'Sales Order' window. In the 'Logistics' tab, the 'Delivery Term' field is highlighted with a yellow box and contains the value 'DDP'.

Vendor/Supplier Addresses (Ship-From) for Purchase

Addresses are important elements to determine the tax for shipping goods from one location to another location. In this solution, ship-from addresses are defined in the supplier/vendor master.

To define the ship-from addresses, go to **Business Partner Master Data > Addresses** tab. Select address type **Ship-To**, and click on **Define New** and enter the **Ship From** address name and other details like State, city, Zip code, GLN (geo location no/County no) etc. Multiple ship-from addresses can be entered.

The screenshot shows the 'Business Partner Master Data' application window. The 'Addresses' tab is selected. On the left, there is a tree view with 'Pay To' and 'Ship To' sections. The 'Ship To' section is expanded, showing 'Ship From - Montreal' which is highlighted with a yellow background. On the right, there is a list of address fields: Address ID, Address Name 2, Address Name 3, Street / PO Box, Block, City, Zip Code, County, State, Country/Region, Tax Code, and Street No. The 'City' field contains 'Montreal'. The 'State' field is set to 'Quebec'. The 'Country/Region' field is set to 'Canada'. The 'Show Location in Web Browser' link is visible above the address list.

During the order creation process, the Ship-From field on the Logistics tab will be available for selection. This customized field will come automatically when you install the Thomson Reuters integration package.

Purchase Order

Vendor	SUP001
Name	Vendor 1
Contact Person	Vendor 1
Vendor Ref. No.	
Local Currency	

Logistics

Ship To	Victoria BC CANADA
Pay To	Montreal QC CANADA
Shipping Type	
Ship From	Ship From - Montreal
Delivery Term	

Warehouse Addresses (Ship-From/Ship to) and Registration Numbers

The Ship-From and Ship-To address is an important element for tax determination to indicate shipping of goods from the seller's warehouse to the Buyer's ship-to location. Warehouse address can play both role as ship from (in case of Sale) as well as ship to (in case of Purchase).

In SAP Business One, the company address is managed in the company master as the registered address. However, warehouse locations may differ from this based on the warehouse used during the sales and purchase transaction.

To ascertain the correct tax, both the buyer and seller must have a registration number. In the warehouse master, users are required to input the tax registration number in the Federal Tax ID field. During sales transactions, this registration number serves as the seller's role, while in purchases, it functions as the buyer's role. Additionally, the supplier's registration number is utilized as the seller's role in the context of a purchase transaction.

To maintain the warehouse address and tax registration numbers, go to **Administration > Setup > Inventory > Warehouses**.

Enter the required address fields e.g., Country, State, County, City, Zip Code, Geo Code etc. and VAT Registration number in the Federal Tax Id field.

Warehouses - Setup

Warehouse Code: W03 Warehouse Name: Victoria, British Columbia

General Accounting

Inactive Drop-Ship
Tax Code Nettable
Location Allow Use Tax

Street/PO Box
Street No.
Block
Building/Floor/Room
Zip Code
City Victoria Enable Bin Locations
County
Country/Region Canada
State British Columbia
Federal Tax ID 122306789
GLN
Tax Office
Address Name 2
Address Name 3
[Show Location in Web Browser](#)

Additional Supported Functionality

User Element Attributes

For this integration we have provided the ability to send an additional 40 User Defined Fields (UDFs) to ONESOURCE Determination for complex tax determination cases. These additional fields are mapped to ONESOURCE Determination as Custom Attributes at both the Invoice and Line Level. This configuration is optional.

Depending on your tax requirements, you have the ability to map and send up to 50 additional field. Here, you will be able to utilize any fields available within the SAP Marketing Document fields or set default values.

In this example below, a new custom Marketing Document field is created to represent the “Distribution Channel.”

Note: You may create new custom field via the Menu Tools> Customization Tools> User Defined Fields – Management under the category Marketing Documents.

To map the fields or default values to the Header or Line Level attributes, navigate to the TR Configuration Screens (Modules > Administration> Setup> TR Configuration> Header attribute or Line Attribute tab)

In the example below, a new custom field has been created to capture the distribution channel for the sales transaction. This is map to Header level User Attribute 1 under the column SAP UDFs. Alternatively, if you may send fixed or default values to ONESOURCE Determination in the attributes by defining the mapping under the column Static/Default Value

TR Configuration				
Company Info		Header Attribute	Line Attribute	Other Settings
#	TR Attributes	SAP UDFs	Static/Default Value	
1	Attribute01	U_DChannel		
2	Attribute02		CIF	
3	Attribute03			
4	Attribute04			
5	Attribute05			
6	Attribute06			
7	Attribute07			
8	Attribute08			
9	Attribute09			
10	Attribute10			
11	Attribute11			
12	Attribute12			
13	Attribute13			
14	Attribute14			
15	Attribute15			
16	Attribute16			
17	Attribute17			

OK Cancel

Product Tax Category

Product Tax Category is an important element for tax determination as it categorizes a group of items or products having different taxability treatment. This Integration supports either categorization by Commodity Codes or Product Codes.

Commodity Codes

Maintain Commodity Codes under the field **Commodity Classification** within the Item Master Data

Item Master Data

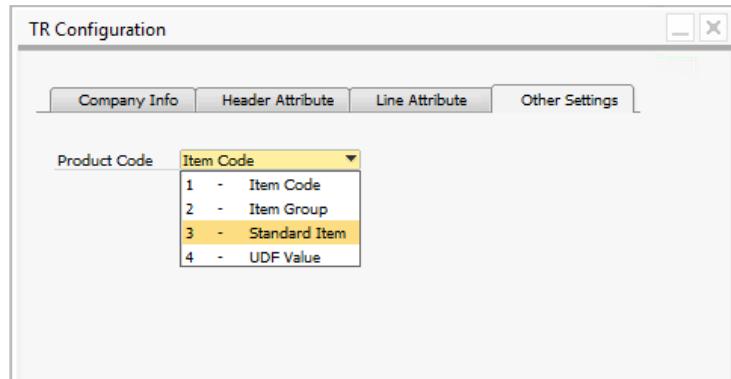
Item No.	Manual	00110	<input checked="" type="checkbox"/> Inventory Item
Description	Item No1 With Product Code and commodity		
Foreign Name			
Item Type	Items	<input checked="" type="checkbox"/> Sales Item	
Item Group	Items	<input checked="" type="checkbox"/> Purchasing Item	
UoM Group	Manual	Bar Code	
Price List	Price List 01	Unit Price	Primary Curre...
<input type="button" value="..."/> <input type="button" value="..."/>			
<input type="button" value="General"/> <input type="button" value="Purchasing Data"/> <input type="button" value="Sales Data"/> <input type="button" value="Inventory Data"/> <input type="button" value="Planning Data"/> <input type="button" value="Production Data"/> <input type="button" value="Properties"/> <input type="button" value="Remarks"/> <input type="button" value="Attachments"/>			
<input checked="" type="checkbox"/> Tax Liable			
<input type="checkbox"/> Do Not Apply Discount Groups			
Manufacturer	- No Manufacturer -		
Additional Identifier			
Shipping Type			
<u>Serial and Batch Numbers</u>			
Manage Item by	None		
<input checked="" type="radio"/> Active		From	<input type="text"/>
<input type="radio"/> Inactive		To	<input type="text"/>
<input type="radio"/> Advanced		Remarks	<input type="text"/>
Country/Region of Origin: <input type="text" value="USA"/>			
Standard Item Identification: <input type="text" value="0471-70"/>			
Commodity Classification: <input type="text" value="02"/>			
<input type="button" value="OK"/> <input type="button" value="Cancel"/>			

Product Code Mapping

Various options are provided within this integration for Product Code Mapping.

Navigate to the TR Configuration menu. From the Main Menu, go to **Administration> Setup> TR Configuration > Other Settings> Product Code**.

Here you will select which field on the Item Master Data should be mapped to the Product Code field for tax determination.



1. There are four options to map the product code as follows:

Field	Description
Item Code	This is the item code of the material.
Item group	An item group also can be mapped as product code
Standard Item Identification	Items standard identification also can be set as product code.
Item User Defined field	User can also use UDF to determine the product code.

Item Master Data

General

1. Item No. Manual ITM00005

2. Item Type Items

3. Standard Item Identification 8471.30

4. Product Code L00024

Freight and Delivery Costs

Within the integration with ONESOURCE Determination, tax determination is supported for freight lines entered within sales or purchase documents in SAP Business One. Freight charges can be added at either the document level or the line level, providing flexibility in capturing freight-related expenses.

To add freight charges at the document level:

1. Open the sales or purchase document (e.g., sales order, sales invoice, purchase order, etc.) in SAP Business One.
2. Locate the freight-related field or section within the document header, which allows you to enter the freight charges.
3. Enter the appropriate freight amount or percentage in the designated field.
4. Save the document. The integration will consider the freight charges entered at the document level for tax determination.
5. To add freight charges at the line level:
6. Open the sales or purchase document (e.g., sales order, sales invoice, purchase order, etc.) in SAP Business One.
7. Navigate to the line-item section of the document.
8. Select the desired line item where you want to add freight charges.
9. Within the line item details, locate the field or column dedicated to capturing freight charges.
10. Enter the applicable freight amount or percentage for the specific line item.
11. Save the document. The integration will consider the freight charges entered at the line-item level for tax determination.

By supporting tax determination on freight lines, the integration enables accurate calculation and application of taxes on freight-related expenses within sales or purchase transactions. This ensures compliance with tax regulations and provides visibility into the tax implications of freight charges.

The following freight scenarios are explained below:

Freight at line level

When freight is entered at the line level, it is assessed based on the product code or commodity code sent with the line item.

If freight charges are applied to line items, the system will examine the product code or commodity code associated with the charges and calculate the applicable taxes based on predefined rules. Users will be able to view the tax details corresponding to each line item, providing clear visibility into how taxes are calculated.

Freight at header level

Freight charges or any other charges can be applied at document level, and be distributed based on distribution methods such as:

- Quantity
- Volume
- Weight
- Equally
- Row Total

In this solution, we also handle scenarios where taxes need to be calculated based on distributed values. If a distribution rule is selected, the respective tax will be calculated accordingly. However, if no distribution rule is chosen, the charges line items will be treated as separate line items for tax calculation purposes. The details of the tax calculation will be displayed in the Freight table.

#	Name	Revenue Account	Expense Account	Fixed Amount - Revenues
1	FREIGHT	41400000	65500000	
2	Handelling Charges	41400000	65500000	
3	Other Charges	41400000	65500000	
4	TR_GST	24100000	24110000	
5	TR_HST	24600000	24610000	
6	TR_OverCharge		25150000	
7	TR_PST	24280000	24480000	
8	TR_QST	24280000	24480000	
9	TR_TaxAccure		25150000	
10	TR_XAdjustC		15200000	
11	TR_XAdjustD		15200000	
12				

To set up the product code mapping for freight, go to Modules> Administration> Setup> General> Freight.

#	Name	Revenue Account	Expense Account	Fixed Amount - Revenues
1	FREIGHT	41400000	65500000	
2	Handelling Charges	41400000	65500000	
3	Other Charges	41400000	65500000	
4	TR_GST	24100000	24110000	
5	TR_HST	24600000	24610000	
6	TR_OverCharge		25150000	
7	TR_PST	24280000	24480000	
8	TR_QST	24280000	24480000	
9	TR_TaxAccure		25150000	
10	TR_XAdjustC		15200000	
11	TR_XAdjustD		15200000	
12				

Vendor Charged Tax and Postings

This integration now supports fully the Vendor Charged Tax Verification functionalities of ONE SOURCE Determination. This section explains the solution and related configuration to support VCT-V and related postings.

Postings using Landed Cost Document (for PST provinces only)

Note: The VCT-V functionality supports only PST like Provinces/ Tax authorities

When integrating with ONESOURCE Determination, the Landed Cost document facilitates the allocation of PST Tax to the appropriate expense or revenue line. This functionality enables the addition of the tax amount to the item cost, considering that PST is a non-deductible tax.

For other tax authorities such as GST, HST, and QST, the landed cost functionality does not apply. Taxes for these authorities will be posted to a designated tax account. This approach ensures precise allocation of tax amounts and maintains proper accounting treatment within the system.

Here is an example scenario to illustrate the process:

1. An A/P (Accounts Payable) invoice is created in SAP Business One for a purchase transaction. The tax amount determined by ONESOURCE Determination is \$120.
2. The vendor charged tax is \$135. This is the tax amount invoiced by the supplier/vendor. In this case the PST Tax amount is \$78.75.
3. The VCT (Variance Calculation Technique) accrual method configured in ONESOURCE Determination is Pay_VCT_NO_ACCURAL. This means that the tax charged by supplier that will be paid to the supplier.
4. When the A/P invoice is posted, the integration automatically triggers the creation of a Landed Cost document. This document is linked to the A/P invoice and serves to distribute the PST tax amount to the appropriate expense or stock line.
5. In this example, the Landed Cost document will be created with a total tax amount of \$78.75, representing the PST Tax amount, which is allocated to Stock.
6. The Landed Cost document will then allocate the PST tax amount to the relevant expense or stock line based on the configuration and mapping set up in the system.

By using the Landed Cost document in this way, the integration ensures that the tax amount is accurately distributed to the appropriate expense or revenue line. This allows for proper accounting treatment and provides visibility into the tax implications of the purchase transaction.

At time of A/P Invoice			
CR	Vendor		\$113.5
DR	Inventory	\$100	
DR	GST Tax Account	\$5.625	
DR	PST Tax Account	\$7.875	
Landed Cost Document			
DR	Inventory	\$7.875	
CR	PST Tax Account		\$7.875

Alternate Option for Postings to Separate Input Tax Account (for PST provinces only)

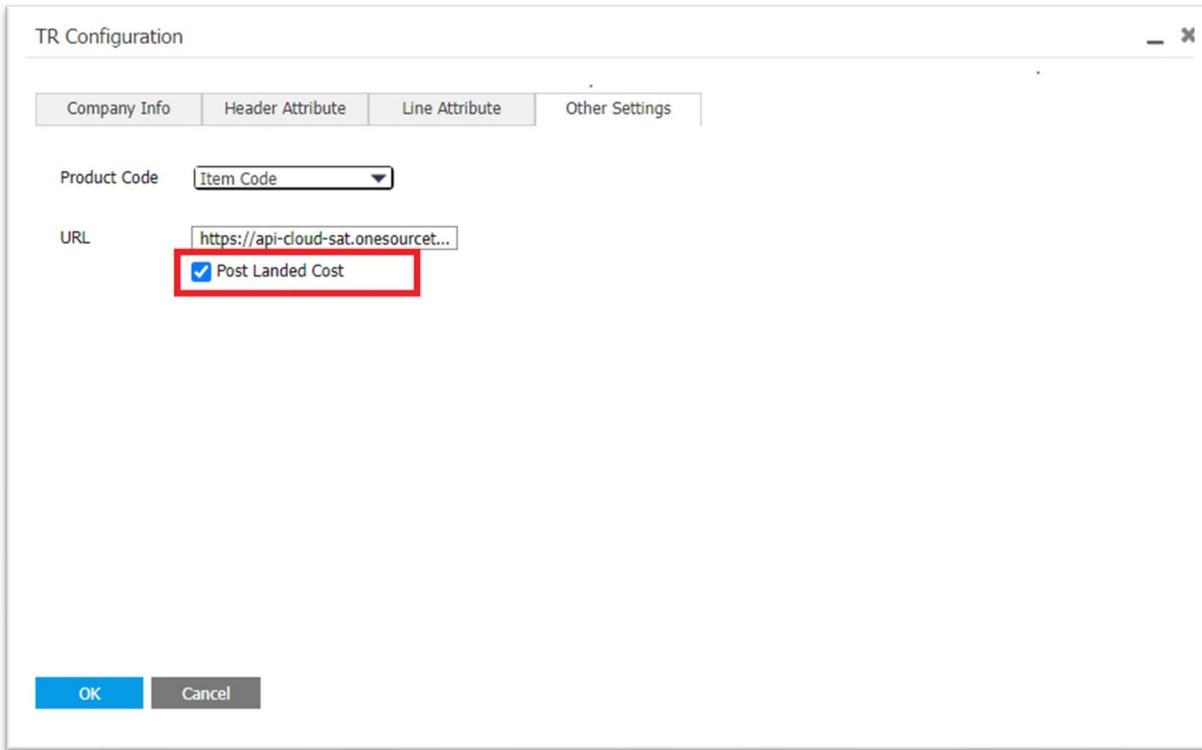
In the standard functionality of SAP Business One, the tax amount is typically posted to a separate General Ledger Input Tax account. However, in the integration with ONESOURCE Determination for Canada, the use of the Landed Cost functionality is recommended for PST tax allocation only.

If you prefer to use the standard functionality of SAP Business One and post the tax amount to a separate Input Tax account, you have the option to disable the use of the Landed Cost functionality within the integration. Here is how you can do it:

1. Navigate to the TR Configuration Menu within SAP Business One.
2. Go to Other Settings, which can typically be found under the TR Configuration menu.
3. Locate the "Post Landed Cost" option and uncheck the box associated with it.
4. Save the changes to apply the configuration.

By turning off the "Post Landed Cost" option, the tax amount will no longer be distributed using the Landed Cost functionality. Instead, it will follow the standard functionality of SAP Business One and be posted to the designated Input Tax account.

It is important to note that by disabling the use of Landed Cost functionality, you may not achieve the same level of tax allocation accuracy and detailed reporting as provided by the integrated solution with ONESOURCE Determination. Therefore, it is recommended to carefully consider the implications and requirements of your tax compliance process before deciding to disable the Landed Cost functionality.



Vendor Charged Tax Processes

Refer to the Vendor Charged Tax documentation on the Thomson Reuters Help Centre for more information on the VCT functionality within ONESOURCE Determination.

1. Ship-From Address Selection for Purchase Process:

- In this solution, the ship-from address for the purchase process is determined using a User Defined Field (UDF) in the Logistics tab of the Purchase order by selecting the address id from the Supplier master. If there are multiple addresses maintained for the Supplier Master, user will be able to select the appropriate address.

Purchase Order

Vendor	SUP001
Name	Vendor 1
Contact Person	
Vendor Ref. No.	
Local Currency	

Contents	Logistics	Accounting	Attachments
Ship To	Victoria BC CANADA		
Pay To	Montreal QC CANADA		
Shipping Type			
Ship From	Ship From - Montreal		
Delivery Term			

- By default, the system will automatically select the first ship-from address available for the vendor.
- If there are multiple ship-from addresses defined for a vendor, the user will need to manually select the appropriate address during the purchase process.

2. Vendor's Charge Tax (VCT) in A/P Invoice:

- Vendor's Charge Tax (VCT) is applicable only in A/P (Accounts Payable) invoices and for the PST provinces in Canada
- If VCT is configured in the tax determination process, the system will validate the VCT amount and the calculated tax amount.
- If there is a difference between the VCT amount charged by the vendor and the calculated tax amount determined by ONESOURCE, the system will not allow the user to post the transaction.
- This ensures that the tax amounts are accurately calculated and aligned with the tax determination results.

Please note that the specific steps and user interface may vary depending on the version and configuration of your SAP Business One system. It is always recommended to consult the official documentation or reach out to your system administrator for detailed guidance on performing these actions within your specific setup.

Invoicing and Commit Calls

The tax calculation process remains the same for all the documents, including sales quotation, sales order, A/R invoice, A/R credit note, purchase quotation, purchase order, A/P invoice, and A/P credit memo. However, during the financial posting of invoices or credit documents, a commit call is triggered to save the tax information to the TR Audit or report database.

The commit call ensures that the tax information is securely and accurately stored in the reporting database for further analysis and reporting purposes. Without the commit call, the tax information will not be saved in the reporting database, and it may not be available for generating reports or conducting analysis on tax-related data.

By triggering the commit call, the system ensures that the tax information is properly recorded and can be accessed when needed for auditing, compliance, or analysis purposes. This allows users to have a comprehensive view of the tax-related transactions and enables them to generate reports or perform analysis based on the saved tax information in the reporting database.

Logging and Monitoring

Using the Unified Logging Feature

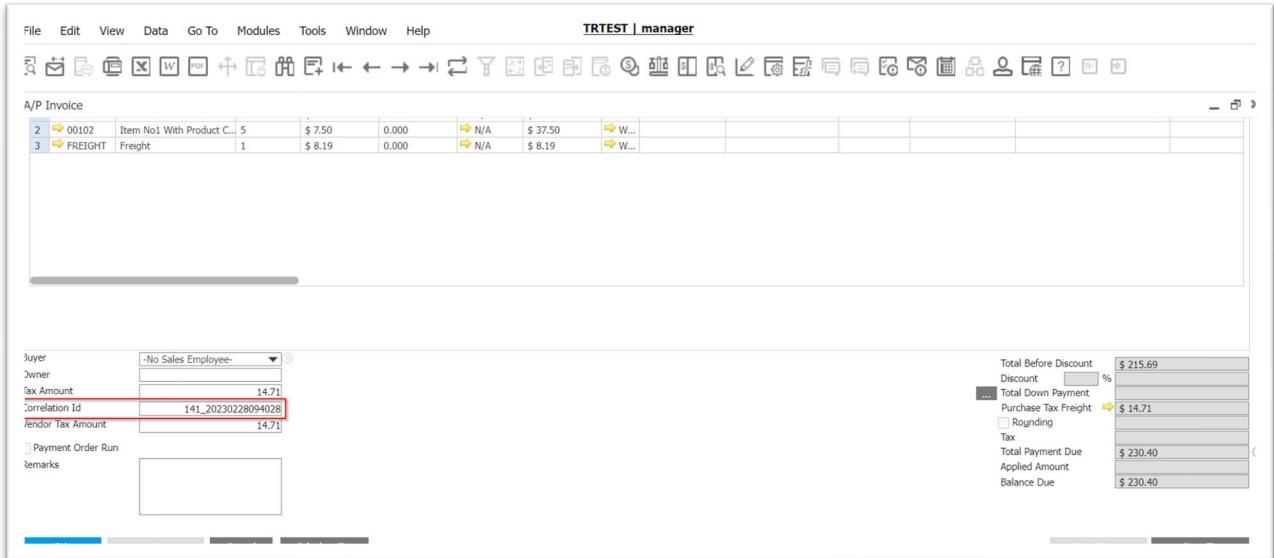
To access the logging feature in ONESOURCE Determination, follow these steps:

1. Login to ONESOURCE Determination.
2. Click on "Tools" in the menu.
3. Select "Tax Tools" from the dropdown menu.
4. Choose "Unified Logging" from the options.

To find the relevant logs, use the Correlation Id displayed on the SAP Business One screen. The Correlation Id is a unique identifier that helps you locate specific logs.

On the Unified Logging page in ONESOURCE Determination, you can find logs related to the SAP Business One Integration for Tax API. These logs contain information about the input and output data exchanged between ONESOURCE Determination and SAP Business One. Additionally, you can also access logs related to the Determination process itself. These logs provide details about the input data sent to ONESOURCE Determination for tax calculation and the corresponding output results.

By reviewing these logs, you can gain insights into the data flowing between ONESOURCE Determination and SAP Business One, as well as the tax determination results. This information can be valuable for troubleshooting, analysis, and auditing purposes.



Time	content	loggingSystem	contentType	externalCompanyId	contentId	correlationId	traceId
Mar 24, 2023 @ 00:02:03.000	{"companyRole": "S", "externalCompanyId": "INTSAPDEV_USBusinessOne", "invoice": [{"calculationDirection": "F", "currencyCode": "USD"}]}	determination	Request Payload	INTSAPDEV_USBusinessOne	-	139_20230323183202	
Mar 24, 2023 @ 00:02:03.000	{"companyRole": "S", "externalCompanyId": "INTSAPDEV_USBusinessOne", "status": {"isSuccess": true, "isPartialSuccess": true}, "document": null}	tax-api	Response Payload	INTSAPDEV_USBusinessOne	-	139_20230323183202	
Mar 24, 2023 @ 00:02:03.000	{} / "location": "TaxFin", "determination": "Tax Block Message", "externalCompanyId": "INTSAPDEV_USBusinessOne", "contentId": "139_20230323183202", "correlationId": "139_20230323183202", "traceId": "139_20230323183202", "loggingSystem": "tax-api", "contentType": "Response Payload", "content": "{'status': {'isSuccess': true, 'isPartialSuccess': true}, 'document': null}"}	tax-api	Response Payload	INTSAPDEV_USBusinessOne	-	139_20230323183202	139_20230323183202

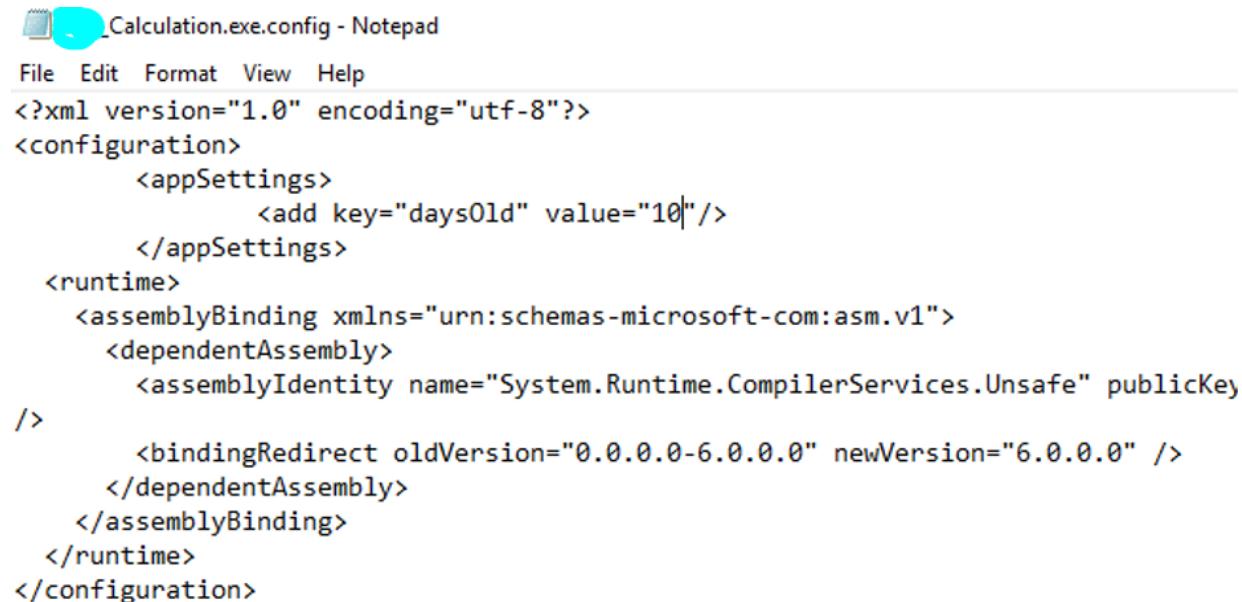
API Request Log file

In this integration whenever a tax call will happen, system will generate a tax call request log in the add-on folder with the respective information which will be consumed by the tax engine and based on the details system will calculate the tax and return the result. But if there is any information is missing in the document then system may show an error like "API error," it means there is no specific error was found by the tax engine but there is something wrong. So, user can check the request log and easily find out the missing information. User can find the log folder in below path

“C:\Program Files\SAP\SAP Business One\AddOns\Thomson Retures\TRC indirect Tax Utility – 1.2.0.0\X64Client\LogFiles”

This log file can be auto deleted as per user needs. By default there will be no delete applied, but if user wants system should keep log files for certain period say last 10 days, then user needs to apply the days in the application config files using the below path

“C:\Program Files\SAP\SAP Business One\AddOns\Thomson Retures\TRC indirect Tax Utility – 1.2.0.0\X64Client” and select the config file “VAT_Calculation.exe.config” and right click on the file and select “open with note pad” and change the “daysOld” value 0 to 10 (0 will be default).



Calculation.exe.config - Notepad

```
File Edit Format View Help
<?xml version="1.0" encoding="utf-8"?>
<configuration>
    <appSettings>
        <add key="daysOld" value="10"/>
    </appSettings>
    <runtime>
        <assemblyBinding xmlns="urn:schemas-microsoft-com:asm.v1">
            <dependentAssembly>
                <assemblyIdentity name="System.Runtime.CompilerServices.Unsafe" publicKey
/>
                <bindingRedirect oldVersion="0.0.0.0-6.0.0.0" newVersion="6.0.0.0" />
            </dependentAssembly>
        </assemblyBinding>
    </runtime>
</configuration>
```

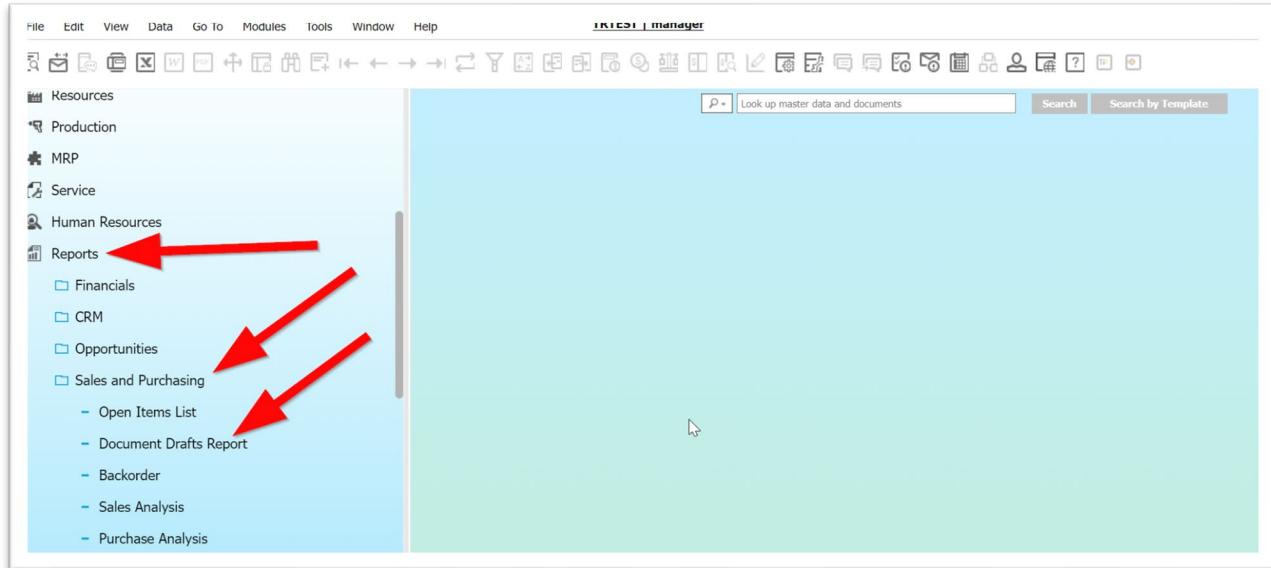
Please note that the specific steps and user interface may vary depending on the version and configuration of your SAP Business One system. It is always recommended to consult the official documentation or reach out to your system administrator for detailed guidance on performing these actions within your specific setup.

Monitoring Reports

To monitor invoices processed with tax calculated from ONESOURCE Determination, users can access the Document Draft Reports in the SAP Business One Reports module. Here is how:

1. Click on the "Reports" menu in SAP Business One.
2. Navigate to the "Sales and Purchasing" section.
3. Select the "Document Drafts Report" option.

By running this report, users will be able to view a list of document drafts, including invoices, which have been generated with tax calculations performed by ONESOURCE Determination. This report provides valuable information for tracking and reviewing invoices before they are finalized and posted.



To review the drafted reports with tax amounts in the SAP Business One Document Drafts Report, follow these steps:

1. Click on the "Document Drafts Report" option in the SAP Business One Reports menu.
2. In the report parameters or selection screen, select the functional area for which you want to review the draft reports. This could be either sales or purchasing, depending on your requirements.

By selecting the functional area, the Document Drafts Report will filter and display the relevant draft reports for the chosen area, including the tax amounts calculated by ONESOURCE Determination. This allows users to review the draft documents, verify the tax calculations, and make any necessary adjustments before finalizing the invoices or purchase orders.

Document Drafts Report - Selection Criteria

User: manager

Open Only

Date

Sales - A/R

<input checked="" type="checkbox"/> Sales Quotations
<input checked="" type="checkbox"/> Sales Orders
<input checked="" type="checkbox"/> Deliveries
<input checked="" type="checkbox"/> Return Request
<input checked="" type="checkbox"/> Returns
<input checked="" type="checkbox"/> A/R Down Payment
<input checked="" type="checkbox"/> A/R Invoices
<input checked="" type="checkbox"/> A/R Credit Memos

Purchasing - A/P

<input checked="" type="checkbox"/> Purchase Request
<input checked="" type="checkbox"/> Purchase Quotation
<input checked="" type="checkbox"/> Purchase Orders
<input checked="" type="checkbox"/> Goods Receipt PO
<input checked="" type="checkbox"/> Goods Return Request
<input checked="" type="checkbox"/> Goods Return
<input checked="" type="checkbox"/> A/P Down Payment
<input checked="" type="checkbox"/> A/P Invoices
<input checked="" type="checkbox"/> A/P Credit Memos

Inventory

<input checked="" type="checkbox"/> Goods Receipt
<input checked="" type="checkbox"/> Goods Issue
<input checked="" type="checkbox"/> Inventory Transfer Request
<input checked="" type="checkbox"/> Inventory Transfers

Inventory Counting Transactions

<input checked="" type="checkbox"/> Inventory Counting
<input checked="" type="checkbox"/> Inventory Opening Balances
<input checked="" type="checkbox"/> Inventory Posting

Click on OK button to see all drafts report with tax amount.

Document Draft

Draft No	Document	Document No.	Posting Date	Total	Total Tax	Vendor Tax Amo
3	A/P Invoices	➡ 32	01/16/23	\$ 12,990.00	990.00	800.00
5	A/P Invoices	➡ 52	01/25/23	\$ 12,500.00	866.25	700.00
7	A/P Invoices	➡ 70	02/13/23	\$ 14,072.50	1,072.50	500.00
8	A/P Invoices	➡ 72	02/15/23	\$ 12,990.00	990.00	600.00
9	A/P Invoices	➡ 73	02/21/23	\$ 114.10	9.10	0.00

Data Mapping

Sales Process

Request Payload Mapping Fields

ONESOURCE REST API Fields	Business ONE Fields	Transformation/ Description
Header.externalCompanyId	U_INTID	External company id is obtained from TR configuration screens and sent to REST API along with secret id/ key, which will be validated for further processing
Header.companyRole		if the transaction type is Sales (Objtype in (13,14,17,19)) then CompanyRole="S" and when transaction type is Purchase (ObjType in (22,23,18,19)) then CompanyRole='B'
Documents.Address.type	OINV.ShiToCode	Where Header.adderssType='ST' set Type=shipTo
Documents.Address.country	OINV.CountryS	Where Header.adderssType='ST'
Documents.Address.region	OINV.StateS	Where Header.adderssType='ST'
Documents.Address.City	OINV.CityS	Where Header.adderssType='ST'
Documents.Address.county	OINV.CountyS	Where Header.adderssType='ST'
Documents.Address.postcode	OINV.ZipCodeS	Where Header.adderssType='ST'
Documents.Address.geocode	OINV.GlbLocNumS	Where Header.adderssType='ST'
Documents.Address.Type	OWHS.ShiToCode	Where Line.adderssType='SF' set Type=shipFrom
Documents.Address.country	OWHS.CountryS	Where Line.addressType='SF'
Documents.Address.region	OWHS.StateS	Where Line.addressType='SF'
Documents.Address.City	OWHS.CityS	Where Line.addressType='SF'
Documents.Address.county	OWHS.CountyS	Where Line.addressType='SF'
Documents.Address.postcode	OWHS.ZipCodeS	Where Line.addressType='SF'
Documents.Address.geocode	OWHS.GlbLocNumS	Where Line.addressType='SF'
Documents.Currency	OINV.DocCur	
Documents.documentDate	OINV.DocDate	
Documents.Line.lineNumber	INV1.LineNum	
Documents.Line.productCode	INV1.StdItemId	
Documents.Line.commodityCode	INV1.CommClass	
Documents.Line.quantities	INV1.Quantity	
Documents.Line.taxableBasis	INV1.LineTotal	

Document.registrations.type		sellerRoll
Document.registrations.registrationNumber	OWHS.FedTaxId OADM.TaxIdNum, OADM.TaxIdNum2, OADM.TaxIdNum3,	sellerRegistration No
Document.registrations.type		buyerRoll
Document.registrations.registrationNumber	OCRD.VatIdUnCmp, OCRD.LicTradNum	buyerRegistration No
Document.deliveryTerm.type		incoterms
Document.deliveryTerms.term	OINV_TERM	As per standard

Response Payload Mapping Fields

ONESOURCE REST API Fields	Business ONE Fields	Transformation/ Description
Header.externalCompanyId	TR_CONF1.U_INTID	External company id is obtained from TR configuration screens and sent to REST API along with secret id/ key, which will be validated for further processing
Header.companyRole		if the transaction type is Sales (Objtype in (13,14,17,19)) then CompanyRole="S" and when transaction type is Purchase (ObjType in (22,23,18,19)) then CompanyRole='B'
documents.companyName	TR_CONF1.CMNAME	
documents.companyRole		if the transaction type is Sales (Objtype in (13,14,17,19)) then CompanyRole="S" and when transaction type is Purchase (ObjType in (22,23,18,19)) then CompanyRole='B'
Documents.currencyCode	OINV.DocCur	
Documents.externalCompanyId	TR_CONF1.CMNAME	
Documents.transactionDate	OINV.DocDate	
Documents.totalTaxAmount	OINV.U_TAXAMT	
documents.callingSystemNumber	TR_CONF1.U_INTID	
documents.hostName	OADM.HostName	
documents.fiscalDate	OPCH.DocDate	
documents.documentNumber	OINV.DocNumber	
documents.uniqueDocumentNumber	TR_CONF1.U_INTID + OINV.DocNumber + companyRole + YEAR	
Documents.Line.lineNumber	INV1.LineNum	
Documents.Line.grossAmount	INV1.LineTotal	
Documents.Line.taxsummary.taxableBasis	INV1.LineTotal	
Documents.Line.taxsummary.nonTaxableBasis		As per commoditycode or product code

Documents.Line.taxsummary.exemptAmount		As per commoditycode or product code
Documents.Line.taxsummary.taxRate	INV1.U_R	As per effectiveZone
Documents.Line.taxsummary.effectiveTaxRate	INV1.U_R	As per effectiveZone
Documents.Line.transactionType	OINV.DocType	GS Default
Documents.Line.totalTaxAmount	OINV.U_TAXAMT	
Documents.Line.taxes.responseSummary		As per ship to and ship from Address and rule defined in TR Tax Engine
Documents.Line.taxes.adminZoneLevel		As per ship to and ship from Address and rule defined in TR Tax Engine
Documents.Line.taxes.authorityType		As per ship to and ship from Address and rule defined in TR Tax Engine
Documents.Line.taxes.authorityCurrencyCode	OINV.DocCur	
Documents.Line.taxes.effectiveZoneLevel		As per ship to and ship from Address and rule defined in TR Tax Engine
Documents.Line.taxes.erpTaxCode		As per ship to and ship from Address and rule defined in TR Tax Engine
Documents.Line.taxes.exemptAmount.authorityAmount		As per ship to and ship from Address and rule defined in TR Tax Engine
Documents.Line.taxes.exemptAmount.documentAmount		As per ship to and ship from Address and rule defined in TR Tax Engine
Documents.Line.taxes.grossAmountauthorityAmount		As per ship to and ship from Address and rule defined in TR Tax Engine
Documents.Line.taxes.documentDescription		As per ship to and ship from Address and rule defined in TR Tax Engine
Documents.Line.taxes.jurisdictionText		As per ship to and ship from Address and rule defined in TR Tax Engine
Documents.Line.taxes.nonTaxableBasis.authorityAmount		As per ship to and ship from Address and rule defined in TR Tax Engine
Documents.Line.taxes.nonTaxableBasis.documentAmount		As per ship to and ship from Address and rule defined in TR Tax Engine
Documents.Line.taxes.taxAmount.authorityAmount		As per ship to and ship from Address and rule defined in TR Tax Engine
Documents.Line.taxes.taxAmount.documentAmount		As per ship to and ship from Address and rule defined in TR Tax Engine
Documents.Line.taxes.taxRate		As per ship to and ship from Address and rule defined in TR Tax Engine
Documents.Line.taxes.taxRateCode		As per ship to and ship from Address and rule defined in TR Tax Engine
Documents.Line.taxes.taxableBasis.authorityAmount		As per ship to and ship from Address and rule defined in TR Tax Engine
Documents.Line.taxes.taxableBasis.documentAmount		As per ship to and ship from Address and rule defined in TR Tax Engine
Documents.Line.taxes.taxableCountry		As per ship to and ship from Address and rule defined in TR Tax Engine
Documents.Line.taxes.addressType		As per ship to and ship from Address and rule defined in TR Tax Engine
Documents.Line.taxes.authorityName		As per ship to and ship from Address and rule defined in TR Tax Engine
Documents.Line.taxes.authorityUuid		As per ship to and ship from Address and rule defined in TR Tax Engine

Documents.Line.taxes.euTransaction		As per ship to and ship from Address and rule defined in TR Tax Engine
Documents.Line.taxes.natureOfTax		As per ship to and ship from Address and rule defined in TR Tax Engine
Documents.Line.taxes.ruleOrder		As per ship to and ship from Address and rule defined in TR Tax Engine
Documents.Line.taxes.taxDeterminationDate	OINV.DocDate	As per ship to and ship from Address and rule defined in TR Tax Engine
Documents.Line.taxes.taxPointDate	OINV.DocDate	As per ship to and ship from Address and rule defined in TR Tax Engine
Documents.Line.taxes.taxType		As per ship to and ship from Address and rule defined in TR Tax Engine
Documents.Line.taxes.taxableRegion		As per ship to and ship from Address and rule defined in TR Tax Engine
Documents.Line.taxes.taxableCounty		As per ship to and ship from Address and rule defined in TR Tax Engine
Documents.Line.taxes.taxableCity		As per ship to and ship from Address and rule defined in TR Tax Engine
Documents.Line.taxes.taxableGeocode		As per ship to and ship from Address and rule defined in TR Tax Engine
Documents.Line.taxes.taxablePostcode		As per ship to and ship from Address and rule defined in TR Tax Engine
Documents.Line.taxes.zoneName		As per ship to and ship from Address and rule defined in TR Tax Engine
Documents.Line.taxes.zoneLevel		As per ship to and ship from Address and rule defined in TR Tax Engine
Documents.Line.taxes.ZoneFipsCode		As per ship to and ship from Address and rule defined in TR Tax Engine
Documents.Line.quantities.amount	INV1.Quantity	
Documents.Line.quantities.uom	INV1.unitMsr	
Document.registrations.type		sellerRoll
Document.registrations.registrationNumber	OWHS.FedTaxId OADM.TaxIdNum, OADM.TaxIdNum2, OADM.TaxIdNum3,	sellerRegistration No
Document.registrations.type		buyerRoll
Document.registrations.registrationNumber	OCRD.VatIdUnCmp, OCRD.LicTradNum	buyerRegistration No
Document.deliveryTerm.type		incoterms
Document.deliveryTerms.term	OINV_TERM	As per standard

Purchasing Process

Request Payload Mapping Fields

ONESOURCE REST API Fields	Business ONE Fields	Transformation/ Description
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Header.externalCompanyId	U_INTID	External company id is obtained from TR configuration screens and sent to REST API along with secret id/ key, which will be validated for further processing
Header.companyRole		if the transaction type is Purchase (ObjType in (20,22,540000006,18,19)) then CompanyRole='B'
Documents.Address.type	OPCH.ShiToCode	Where Header.adderssType='SF' set Type=shipTo
Documents.Address.country	OPCH.CountryS	Where Header.adderssType='SF'
Documents.Address.region	OPCH.StateS	Where Header.adderssType='SF'
Documents.Address.City	OPCH.CityS	Where Header.adderssType='SF'
Documents.Address.county	OPCH.CountyS	Where Header.adderssType='SF'
Documents.Address.postcode	OPCH.ZipCodeS	Where Header.adderssType='SF'
Documents.Address.geocode	OPCH.GlbLocNumS	Where Header.adderssType='SF'
Documents.Address.Type	OWHS.ShiToCode	Where Line.adderssType='ST' set Type=shipFrom
Documents.Address.country	OWHS.CountryS	Where Line.addressType='ST'
Documents.Address.region	OWHS.StateS	Where Line.addressType='ST'
Documents.Address.City	OWHS.CityS	Where Line.addressType='ST'
Documents.Address.county	OWHS.CountyS	Where Line.addressType='ST'
Documents.Address.postcode	OWHS.ZipCodeS	Where Line.addressType='ST'
Documents.Address.geocode	OWHS.GlbLocNumS	Where Line.addressType='ST'
Documents.Currency	OPCH.DocCur	
Documents.documentDate	OPCH.DocDate	
Documents.Line.lineNumber	PCH1.LineNum	
Documents.Line.productCode	PCH1.StdItemld	
Documents.Line.commodityCode	PCH1.CommClass	
Documents.Line.quantities	PCH1.Quantity	
Documents.Line.taxableBasis	PCH1.LineTotal	
Document.registrations.type		buyerRoll
Document.registrations.registrationNumber	OWHS.FedTaxId OADM.TaxIdNum, OADM.TaxIdNum2, OADM.TaxIdNum3,	BuyerRegistration No
Document.registrations.type		sellRoll
Document.registrations.registrationNumber	OCRD.VatIdUnCmp, OCRD.LicTradNum	sellRegistration No
Document.deliveryTerm.type		incoterms

Document.deliveryTerms.term	OPCH_TERM	As per standard
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Response Payload Mapping Fields

ONESOURCE REST API Fields	Business ONE Fields	Transformation/ Description
Header.externalCompanyId	TR_CONF1.U_INTID	External company id is obtained from TR configuration screens and sent to REST API along with secret id/ key, which will be validated for further processing
Header.companyRole		if the transaction type is Purchase (ObjType in (20,22,540000006,18,19)) then CompanyRole='B'
documents.companyName	TR_CONF1.CMNAME	
documents.companyRole		if the transaction type is Purchase (ObjType in (20,22,540000006,18,19)) then CompanyRole='B'
Documents.currencyCode	OPCH.DocCur	
Documents.externalCompanyId	TR_CONF1.CMNAME	
Documents.transactionDate	OPCH.DocDate	
Documents.totalTaxAmount	OPCH.U_TAXAMT	
documents.callingSystemNumber	TR_CONF1.U_INTID	
documents.hostName	OADM.HostName	
documents.fiscalDate	OPCH.DocDate	
documents.documentNumber	OPCH.DocNumber	
documents.uniqueDocumentNumber	TR_CONF1.U_INTID + OPCH.DocNumber + companyRole + YEAR	
Documents.Line.lineNumber	PCH1.LineNum	
Documents.Line.grossAmount	PCH1.LineTotal	
Documents.Line.taxsummary.taxableBasis	PCH1.LineTotal	
Documents.Line.taxsummary.nonTaxableBasis		As per commoditycode or product code
Documents.Line.taxsummary.exemptAmount		As per commoditycode or product code
Documents.Line.taxsummary.taxRate	PCH1.U_R	As per effectiveZone
Documents.Line.taxsummary.effectiveTaxRate	PCH1.U_R	As per effectiveZone
Documents.Line.transactionType	OPCH.DocType	Defaulted to GS
Documents.Line.totalTaxAmount	OPCH.U_TAXAMT	

Documents.Line.taxes.responseSummary		As per ship to and ship from Address and rule defined in TR Tax Engine
Documents.Line.taxes.adminZoneLevel		As per ship to and ship from Address and rule defined in TR Tax Engine
Documents.Line.taxes.authorityType		As per ship to and ship from Address and rule defined in TR Tax Engine
Documents.Line.taxes.authorityCurrencyCode	OPCH.DocCur	
Documents.Line.taxes.effectiveZoneLevel		As per ship to and ship from Address and rule defined in TR Tax Engine
Documents.Line.taxes.erpTaxCode		As per ship to and ship from Address and rule defined in TR Tax Engine
Documents.Line.taxes.exemptAmount.authorityAmount		As per ship to and ship from Address and rule defined in TR Tax Engine
Documents.Line.taxes.exemptAmount.documentAmount		As per ship to and ship from Address and rule defined in TR Tax Engine
Documents.Line.taxes.grossAmountauthorityAmount		As per ship to and ship from Address and rule defined in TR Tax Engine
Documents.Line.taxes.documentDescription		As per ship to and ship from Address and rule defined in TR Tax Engine
Documents.Line.taxes.jurisdictionText		As per ship to and ship from Address and rule defined in TR Tax Engine
Documents.Line.taxes.nonTaxableBasis.authorityAmount		As per ship to and ship from Address and rule defined in TR Tax Engine
Documents.Line.taxes.nonTaxableBasis.documentAmount		As per ship to and ship from Address and rule defined in TR Tax Engine
Documents.Line.taxes.taxAmount.authorityAmount		As per ship to and ship from Address and rule defined in TR Tax Engine
Documents.Line.taxes.taxAmount.documentAmount		As per ship to and ship from Address and rule defined in TR Tax Engine
Documents.Line.taxes.taxRate		As per ship to and ship from Address and rule defined in TR Tax Engine
Documents.Line.taxes.taxRateCode		As per ship to and ship from Address and rule defined in TR Tax Engine
Documents.Line.taxes.taxableBasis.authorityAmount		As per ship to and ship from Address and rule defined in TR Tax Engine

Documents.Line.taxes.taxableBasis.documentAmount		As per ship to and ship from Address and rule defined in TR Tax Engine
Documents.Line.taxes.taxableCountry		As per ship to and ship from Address and rule defined in TR Tax Engine
Documents.Line.taxes.addressType		As per ship to and ship from Address and rule defined in TR Tax Engine
Documents.Line.taxes.authorityName		As per ship to and ship from Address and rule defined in TR Tax Engine
Documents.Line.taxes.authorityUuid		As per ship to and ship from Address and rule defined in TR Tax Engine
Documents.Line.taxes.euTransaction		As per ship to and ship from Address and rule defined in TR Tax Engine
Documents.Line.taxes.natureOfTax		As per ship to and ship from Address and rule defined in TR Tax Engine
Documents.Line.taxes.ruleOrder		As per ship to and ship from Address and rule defined in TR Tax Engine
Documents.Line.taxes.taxDeterminationDate	OPCH.DocDate	As per ship to and ship from Address and rule defined in TR Tax Engine
Documents.Line.taxes.taxPointDate	OPCH.DocDate	As per ship to and ship from Address and rule defined in TR Tax Engine
Documents.Line.taxes.taxType		As per ship to and ship from Address and rule defined in TR Tax Engine
Documents.Line.taxes.taxableRegion		As per ship to and ship from Address and rule defined in TR Tax Engine
Documents.Line.taxes.taxableCounty		As per ship to and ship from Address and rule defined in TR Tax Engine
Documents.Line.taxes.taxableCity		As per ship to and ship from Address and rule defined in TR Tax Engine
Documents.Line.taxes.taxableGeocode		As per ship to and ship from Address and rule defined in TR Tax Engine
Documents.Line.taxes.taxablePostcode		As per ship to and ship from Address and rule defined in TR Tax Engine
Documents.Line.taxes.zoneName		As per ship to and ship from Address and rule defined in TR Tax Engine
Documents.Line.taxes.zoneLevel		As per ship to and ship from Address and rule defined in TR Tax Engine

Documents.Line.taxes.ZoneFipsCode		As per ship to and ship from Address and rule defined in TR Tax Engine
Documents.Line.quantities.amount	PCH1.Quantity	
Documents.Line.quantities.uom	PCH1.unitMsr	
Document.registrations.type		buyerRoll
Document.registrations.registrationNumber	OWHS.FedTaxId OADM.TaxIdNum, OADM.TaxIdNum2, OADM.TaxIdNum3,	BuyerRegistration No
Document.registrations.type		sellRoll
Document.registrations.registrationNumber	OCRD.VatIdUnCmp, OCRD.LicTradNum	sellRegistration No
Document.deliveryTerm.type		incoterms
Document.deliveryTerms.term	OPCH_TERM	As per standard

Sample Transaction (Sales)

In this section, we will walk through a sample transaction from Sales Quotation to A/R Invoice process (Order-to-Cash - O2C) using the SAP Business One integration with ONESOURCE Determination. This solution covers various stages of the sales process, including Sales Quotation, Sales Order, A/R Invoice, Invoice cancellation, and Credit Note.

Throughout this Order to Cash process, the integration with ONESOURCE Determination ensures accurate tax calculations based on the jurisdiction and tax rules. The tax amounts are automatically determined and applied to the respective documents, providing compliance and accuracy in tax calculation.

Sales Quotation

Start with creating a Sales Quotation: Enter the relevant details such as customer information, items, quantities, prices, and any applicable discounts. Once the Quotation is prepared, you can save it for further processing.

In this example, we will use a customer with a ship-to address as follows:

- Country: CA
- State: BC
- City: Vancouver

Please note that this is a sample address used for demonstration purposes, and you should enter the actual customer's ship-to address when performing the transaction in your SAP Business One system.

Sales Quotation

Customer	CUS006
Name	Customer - BC
Contact Person	
Customer Ref. No.	
Local Currency	

Address Component

Ship To	Vancouver BC CANADA
Bill To	Vancouver BC CANADA
Shipping Type	
Delivery Term	
Street / PO Box	Vancouver
Block	
City	
Zip Code	
County	
State	British Columbia
Country/Region	Canada
Building/Floor/Room	
Address Name 2	
Address Name 3	
GLN	

OK Cancel

The ship-from location for this transaction is as follows:

- Country: CA
- State: BC
- Seller Registration: R425979

Please ensure that you enter the accurate ship-from location details based on your specific scenario in SAP Business One.

Sales Quotation

Customer	CUS006
Name	Customer - BC
Contact Person	
Customer Ref. No.	
Local Currency	

Warehouses - Setup

Warehouse Code	W1	Warehouse Name	BC
General		Accounting	
<input type="checkbox"/> Inactive			
Tax Code			
Location			

Item/Service Type Item

#	Item No.	Quantity	Unit Price	Discount %	Tax Code	Total (LC)	Whse
1	ITM0002	1	\$ 12,000.00	0.00	N/A	\$ 12,000.00	W1
...							

Street/PO Box

Street No.	
Block	
Building/Floor/Room	
Zip Code	
City	
County	
Country/Region	Canada
State	British Columbia
Federal Tax ID	R425979
GLN	

For the line item of the transaction:

- Product Code: ITM0002
- Commodity Code: [Please provide the commodity code if available]
- Quantity: 1
- UOM (Unit of Measure): Each
- Taxable Value (Line Total): 12000 CAD

Please note that the commodity code should be specified if applicable.

Sales Quotation

Customer	CUS006
Name	Customer - BC
Contact Person	
Customer Ref. No.	
Local Currency	

Contents Logistics Accounting Attachments

Item/Service Type		Item					
#	Item No.	Quantity	Unit Price	Discount %	Tax Code	Total (LC)	Whse
1	ITM0002	1	\$ 12,000.00	0.00	N/A	\$ 12,000.00	W1

After saving the transaction, we can see that the tax amount applied is 1440 CAD. This tax amount is calculated only on the product value and not on the freight charges. The reason for the exemption of tax on the freight charges is based on the rules configured within ONESOURCE Determination.

Additionally, the tax calculation correlation id for this transaction is - 149_20230531140157. This correlation id is used as a reference when analyzing logs and trouble shooting issues.

Sales Quotation

Customer Key No.	Local Currency	Valid Until	30/09/2023
		Document Date	31/05/2023

Contents Logistics Accounting Attachments

Item/Service Type	Item	Summary Type																																							
#	Item No.	Quantity	Unit Price	Discount %	Tax Code	Total (LC)	Whse	Distr. Rule	Freight 1	Freight 1 (LC)	UoM Code	COGS Distr. Rule	Country/Region of Origin	Blanket Agreement No.	Allow Procmt. Doc.	G																									
1	ITM0002	1	\$ 12,000.00	0.00	N/A	\$ 12,000.00	W1				Manual					<input type="checkbox"/>																									
<table border="1"> <tr> <td>Sales Employee</td> <td>-No Sales Employee-</td> <td>Total Before Discount</td> <td>\$ 12,000.00</td> </tr> <tr> <td>Owner</td> <td></td> <td>Discount</td> <td><input type="text"/> %</td> </tr> <tr> <td>Tax Amount</td> <td>1,440.00</td> <td>Sales Tax & Freight</td> <td>\$ 1,440.00</td> </tr> <tr> <td>Correlation Id</td> <td>149_20230531140157</td> <td><input type="checkbox"/> Rounding</td> <td></td> </tr> <tr> <td colspan="4">Tax</td> </tr> <tr> <td colspan="4">Total</td> <td>\$ 13,440.00</td> </tr> </table>																	Sales Employee	-No Sales Employee-	Total Before Discount	\$ 12,000.00	Owner		Discount	<input type="text"/> %	Tax Amount	1,440.00	Sales Tax & Freight	\$ 1,440.00	Correlation Id	149_20230531140157	<input type="checkbox"/> Rounding		Tax				Total				\$ 13,440.00
Sales Employee	-No Sales Employee-	Total Before Discount	\$ 12,000.00																																						
Owner		Discount	<input type="text"/> %																																						
Tax Amount	1,440.00	Sales Tax & Freight	\$ 1,440.00																																						
Correlation Id	149_20230531140157	<input type="checkbox"/> Rounding																																							
Tax																																									
Total				\$ 13,440.00																																					

The tax amount for each line item will be updated at the line level, indicating the tax applied specifically to that item. Additionally, the tax amounts of all the line items will be summarized based on the applied tax authority zone levels. These summarized tax amounts will be saved in the "Sales Tax and Freight" table, providing a breakdown of taxes by tax authority levels like GST, PST, HST and QST.

Sales Order

After creating the sales quotation, you can copy the document to a sales order. In the sales order, you will not make any changes to the values except for updating the delivery date. Simply click on the "Add" button to save the sales order. At this point, the system will send a tax calculation request to the TR Tax engine. Once the tax calculation is completed, the system will update the tax amounts for each line item, along with the correlation id, and save the document.

The tax amount for each line item will be updated at the line level, indicating the tax applied specifically to that item. Additionally, the tax amounts of all the line items will be summarized based on the applied tax authority zone levels. This summarized tax information will be saved in the "Sales Tax and Freight" table, providing a breakdown of taxes by tax authority levels. It is important to note that at this stage, no actual tax will be posted in SAP, as taxes are only applicable during the invoice stage.

Sales Invoice (A/R Invoice)

After copying the sales order to an A/R Invoice, click on the "Add" button to save the invoice. At this point, the system will once again send a tax calculation request to the TR Tax engine. Once the tax calculation is completed, the system will update the tax amounts for each line item, along with the correlation id, and save the document.

Once the A/R Invoice is posted, the system will send the tax details to the TR Audit Database for reporting, global compliance, reconciliation, and data analysis processes. This process is known as the "Commit call".

Similar to previous stages, the tax amount for each line item will be updated at the line level, reflecting the tax applied to each specific item. The tax amounts of all the line items will be summarized based on the applied tax authority levels, and this breakdown will be saved in the "Sales Tax and Freight" table. This provides a comprehensive view of the taxes applied, categorized by tax authority levels.

Sales Tax & Freight

Do Not Display Freight Charges with Zero Amount

#	Freight Name	Remarks	Tax Code	Total Tax Amount	Distrib. Method	Net Amount	Base Docu...
1	TR_GST		↳ N/A	↳ \$ 0.00	None	\$ 600.00	
2	TR_PST		↳ N/A	↳ \$ 0.00	None	\$ 840.00	
							\$ 1,440.00

OK Cancel

Sample Transaction (Purchase)

Purchase Quotation

Here we have taken a Vendor called "V002" with its ship from address as

- Country – CA
- State – ON

Purchase Quotation

Vendor	V002
Name	ON
Contact Person	
Vendor Ref. No.	DEMO
Local Currency	
Group No.	Primary 3
Contents	Logistics
Ship To	BC CANADA
Pay To	
Shipping Type	Ship From ON
Delivery Term	

Business Partner Master Data

Code	Manual	V002	Vendor	Local Currency
Name	ON		Account Balance	-26,858.25
Foreign Name			Goods Receipt POs	0.00
Group	Vendors		Purchase Orders	0.00
Currency	All Currencies		Federal Tax ID	

Pay To

Ship To

ON

Set as Default

ON

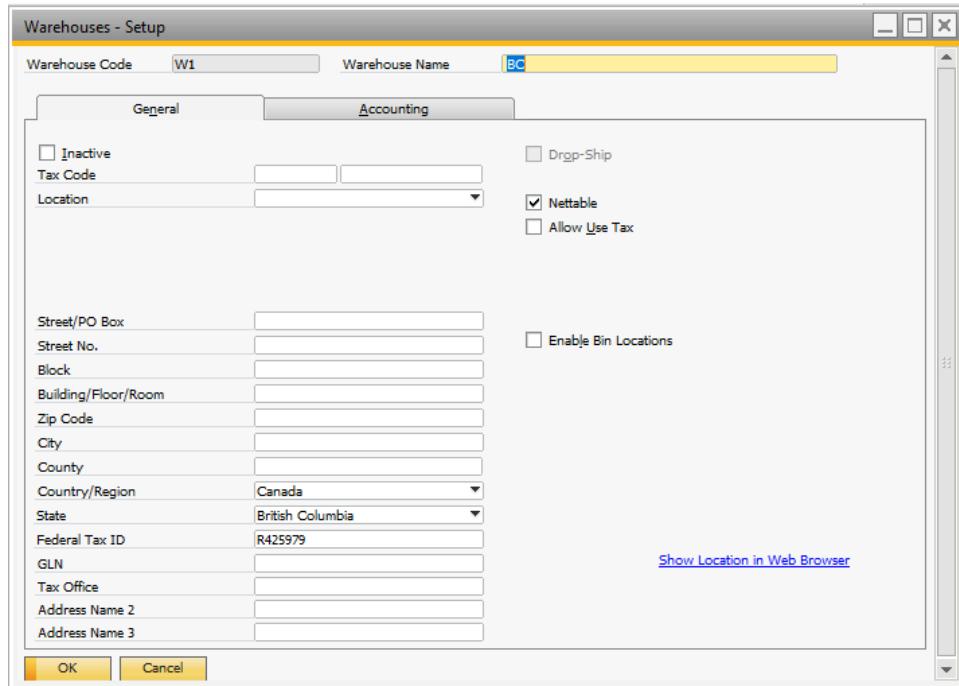
Address ID
Address Name 2
Address Name 3
Street / PO Box
Block
City
Zip Code
County
State
Country/Region
Tax Code
Street No.

Ontario
Canada

The ship To Location is.

- Country – CA

- State – BC
- Buyer Registration: R425979



Line Items

- Product Code – ITM0001
- Commodity Code
- Quoted Quantity – 10
- UOM – Each
- Unit Price – 1000 CAD
- Taxable Value (Line Total) – 10000 CAD

#	Item No.	Required Date	Quoted Date	Required Qty.	Quoted Qty.	Unit Price	Discount %	Tax Code	Total (LC)	Whse	Distr. Rule
1	ITM0001	16/06/2023		10	10	\$ 1,000.00	0.00	N/A	\$ 10,000.00	W1	

After entering the details and clicking on the calculate button, or trying to add/ save the document, the system will calculate the tax. In this example, we found that the tax amount is CAD 1200. After saving the transaction, we can see that the tax amount of CAD 1200 is applied to the product value according to the TR Tax rule based on the ship-from and ship-to addresses.

The tax amount for each line item will be updated at the line level, and the total tax amount for all line items will be summarized based on the applied tax authority levels. This information, including the breakdown of taxes and freight charges, will be saved in the "Sales Tax and Freight" table for further reference and analysis.

Purchase Order

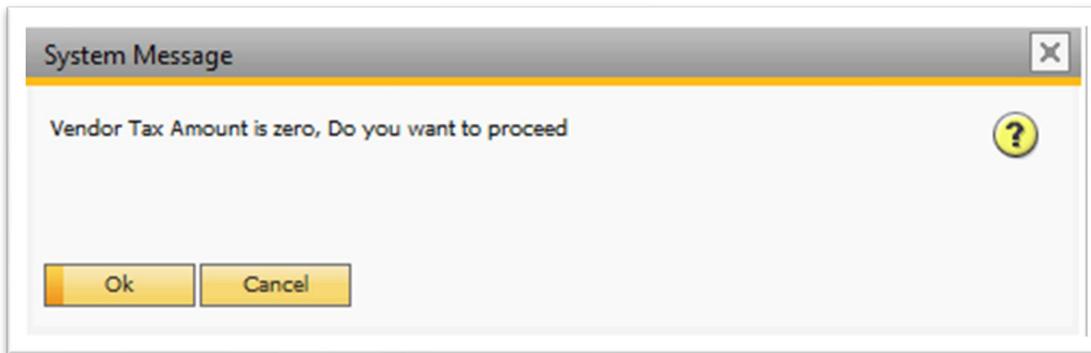
After copying the purchase quotation to a purchase order and saving it without any changes except for the delivery date, the system will send a tax calculation request to the TR Tax engine. Once the calculation is completed, the system will update the tax calculation for each line item and save the document with the assigned correlation ID.

The tax amount for each line item will be updated at the line level, and the total tax amount for all line items will be summarized based on the applied tax authority zone levels. This information, along with the breakdown of taxes and freight charges, will be saved in the "Sales Tax and Freight" table. At this stage, no actual tax will be posted in SAP as taxes are only applicable during invoice processing.

Purchase Invoice (A/P Invoice)

After copying the purchase order to an A/P invoice and saving it without any changes, except for clicking on the "Add" button, the system will perform several checks. Firstly, it will verify if the user has entered any Vendor Central Tax (VCT) amount. If no VCT amount is entered, the system will prompt the user for confirmation.

The purpose of this check is to ensure that the VCT amount is properly entered and considered for tax calculation. It helps prevent any errors or omissions in the VCT amount, ensuring accurate tax determination for the invoice.



If the user forgets to enter the Vendor Central Tax (VCT) amount, they need to click on the "Cancel" button. However, if there is no tax charged by the vendor, the user can click on "OK" to proceed. In this case, the system will send a tax calculation request to the ONESOURCE Determination. Once the calculation is completed, the system will update the tax calculations along with the correlation ID.

The VCT accrual method will be determined based on the VCT configuration and the given VCT amount. The accrual method can be one of the following:

- Accrue Variance

- Accrue Total Tax
- Pay VCT No Accrual
- Hold Payment

If the determination results in "Accrue Variance" or "Accrue Total Tax" as the accrual method, there will be a separate line item in the Freight setup called "TR_AccrueVariance" to determine the accrual amount. This line item applies only if the accrual method is Accrue Variance or Accrue Total Tax.

If the accrual method is "Hold Payment," the system will not allow the user to post the transaction until they modify the details, or the system receives a different accrual method. In this scenario, the system will allow the user to save the document in Draft if desired, and they can use the draft document later.

If the accrual method is "Pay_VCT_No_Accrual," the system will update the tax amount as per the VCT and system will book the transaction with VCT amount not the determination calculated tax. In this case, the user will pay the supplier the same amount as the tax charged by the supplier.

After the A/P Invoice is posted, the system will send the tax details to the TR Audit Database for reporting, global compliance, reconciliation, and data analysis processes. This process is known as the "Commit call." At this stage, the actual tax amount is booked in the database, and the tax information will be saved in the TR audit database.

The tax amount for the line items will be updated at the line level, ensuring that each line reflects the appropriate tax calculation. Additionally, the tax amount for all line items will be summarized based on the applied tax authority zone levels. This summary will be saved in the "Purchase Tax and Freight" table, providing a breakdown of the tax amounts based on different tax authority levels.

A/P Invoice

Vendor	V002	No.	Primary	14
Name	ON	Status	Open	
Contact Person		Posting Date	16/06/2023	
Vendor Ref. No.	DEMO	Due Date	16/06/2023	
Local Currency		Document Date	16/06/2023	

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Item/Service Type Item Summary Type No Summary

#	Item No.	Quantity	Unit Price	Discount %	Tax Code	Total (LC)	Whse	D...
1	ITM0001	10	\$ 1,000.00	0.00	N/A	\$ 10,000.00	W1	

Buyer: -No Sales Employee- Total Before Discount: \$ 10,000.00

Owner: Discount: %

Tax Amount: 1,200.00 Total Down Payment: \$ 1,250.00

Correlation Id: 141_20230616161456 Purchase Tax & Freight: \$ 1,250.00

Vendor Tax Amount: 1,250.00 Rounding:

Payment Order Run Tax:

Total Payment Due: \$ 11,250.00 

After the A/P Invoice is posted, the system will create the necessary accounting entries for the transaction. The tax amount will be included in these accounting postings. Specifically, the tax amount will be recorded in a clearing account.

During the A/P Invoice posting, all Tax GL account will be posted along with PST Tax GL account will be debited with the tax amount. This reflects the tax input of the company. Subsequently, when the Landed Cost is calculated and posted, the PST Tax account will be credited with the same tax amount. This ensures that the tax amount is properly allocated and accounted for in both the A/P Invoice and the Landed Cost.

By using a PST Tax account, the system maintains the accurate representation of the tax amount as cost and ensures proper reconciliation between the A/P Invoice and the Landed Cost.

Journal Entry in A/P Invoice

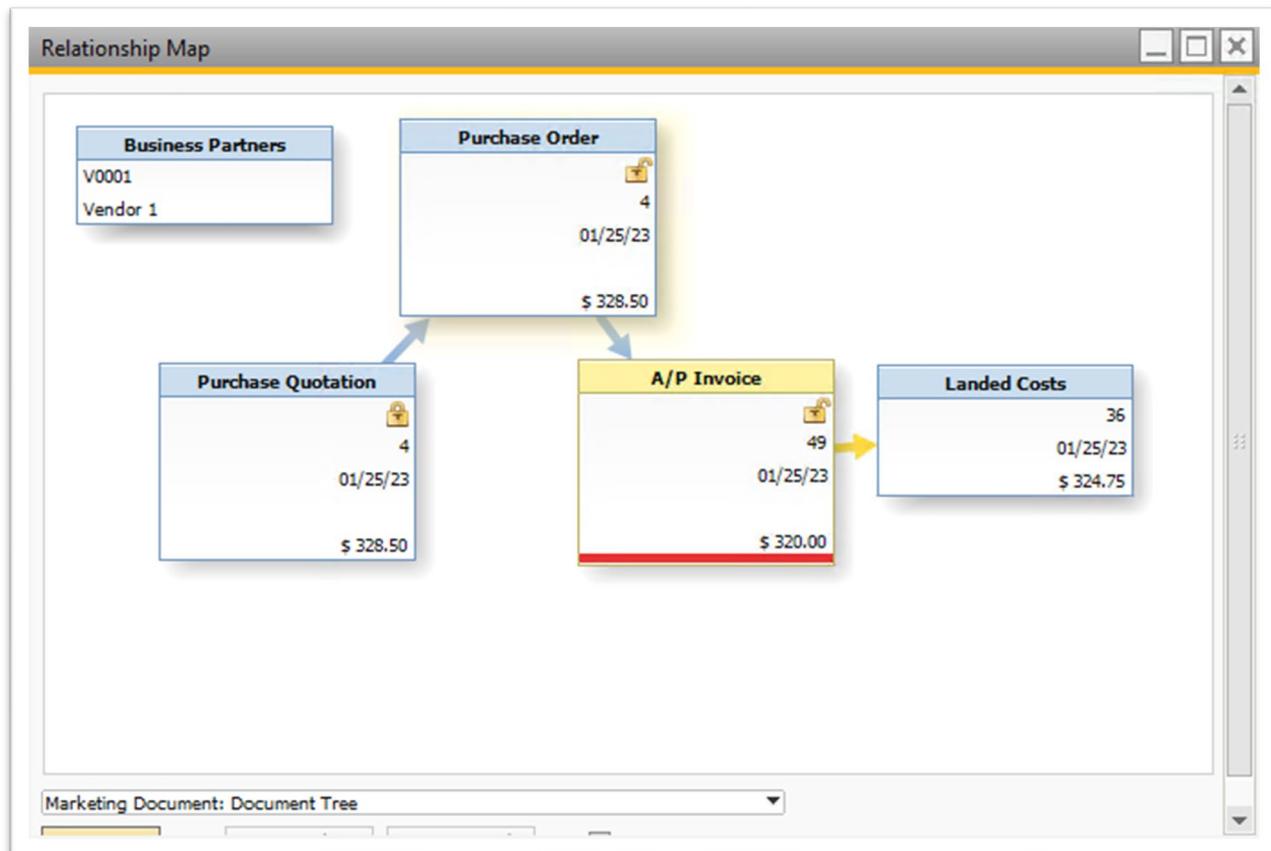
Journal Entry in Landed Cost Document

After the A/P Invoice is posted, the system will automatically calculate and book the landed cost associated with the PST tax amount. This is done to allocate the tax expense to the stock items, as there is no input tax credit in the USA.

The landed cost will be calculated based on the tax applicable for each line item in the A/P Invoice. The system will determine the appropriate tax rates and factors for each item and calculate the corresponding landed cost.

The relationship between the A/P Invoice and the landed cost will be automatically managed by the system. This ensures that the tax amount is accurately allocated to the stock items and reflected in the inventory valuation.

By booking the landed cost, the system accounts for the tax expense and incorporates it into the overall cost of the stock items. This provides a comprehensive view of the true cost of the inventory, taking into account the applicable taxes.



Landed Costs

Vendor	V002	ON	Number	15
Broker			Series	Primary
\$		<input type="checkbox"/> Closed Document	Posting Date	23/06/2023
			Due Date	23/06/2023
			Reference	
			File No.	

Items	Cogs	Vendors	Details	General	Attachments		
#	Item No.	Qty	Base Doc. Price	Base Doc. Value	Proj. Cust.	Customs Value	Expendi...
1	ITM0001	1	\$ 1,000.00	\$ 1,000.00	\$ 0.00	\$ 0.00	\$ 0.00
Projected Customs: \$ 0.00 Total Freight Charges: \$ 78.75 Before Tax: \$ 1,078.75 Actual Customs: \$ 0.00 Amount to Balance: \$ 0.00 Tax 1: \$ 0.00 Customs Date: 23/06/2023 Tax 2: \$ 0.00 <input checked="" type="checkbox"/> Customs Affects Inventory Total: \$ 1,078.75 Based On A/P Invoices 231800004, Remarks							

OK Cancel Copy From

Journal Entry

Series	Number	Posting Date	Due Date	Doc. Date	Remarks	
Primary	80	23/06/2023	23/06/2023	23/06/2023	Landed Costs 15	
Origin	Origin No.	Trans. No.	Template Type	Template	Indicator	Project
IF	15	80				
Trans. Code	Ref. 1	Ref. 2	Ref. 3			
	15					

Blanket Agreement

Contents	Attachments							
▶ Expand Editing Mode								
#	G/L Acct/BP ...	G/L Acct/BP Name	Debit	Credit	Rem...	Tax Posting Account	Tax Code	Tax Jurs
1	13500000	Inventories of Finished Goods	\$ 78.75					
2	24280000	Pst Tax Payable - Alberta		\$ 78.75				
			\$ 78.75	\$ 78.75				