

ONESOURCE GLOBAL TAX FOR SAP Ariba SOLUTIONS

CONFIGURATION GUIDE

PRODUCT VERSION 2.0.0.0

Document Version 1



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DOCUMENT HISTORY

Version Number	Version Date	Summary
v1	May 8, 2020	This version incorporates new functionalities available as part of SAP Ariba Enhanced Tax API as well as ONESOURCE Global Tax solution for Ariba Version 2.0.0.0

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INTRODUCTION

WELCOME TO ONESOURCE GLOBAL TAX FOR SAP Ariba SOLUTIONS

Corporations using SAP Ariba Procurement Solutions can improve their tax accuracy by integrating with the ONESOURCE Global Tax for SAP Ariba Solution. This solution enables Buying Organizations to get fast, accurate tax (Sales, Use, GST and VAT like) results on procurement transactions and a complete audit trail from which you can generate both standard and custom reports, as well as information to assist in returns preparations.

The ONESOURCE Global Tax for SAP Ariba Solutions makes the tax calculation process easy by eliminating the need for preparing the complex tax master data like tax codes, rates, jurisdictions and other look ups manually. The very basic and easy tax master data would suffice in addition to web service configuration to get tax rates from globally recognized, robust tax engine backed up by dynamic tax content.

This solution covers Use Tax, GST and VAT like taxes except taxes for Brazil for SAP Ariba Buying (previous product name: Ariba Procure-to-Order), SAP Ariba Buying and Invoicing. (Previous product name: Ariba Procure-to-Pay), SAP Ariba Invoice Management (previous product name: Ariba Invoice Professional) using SOAP based web services.

WHO SHOULD READ THIS GUIDE?

If you are responsible for overseeing setting up ONESOURCE Global Tax for SAP Ariba Solutions, you will need to coordinate help from the following people:

- SAP Ariba Procurement Solutions Business Systems Analyst
- SAP Ariba Procurement Solution Configuration Consultant

A good understanding of this guide by the project team is required to ensure a successful installation.

PREREQUISITES

For a seamless and successful deployment of Integration for SAP Ariba Solutions follow all instructions within this guide.

When working on Integration for SAP Ariba you must have a deep knowledge of the SAP Ariba Procurement Solution features and functionality covering all aspects of SAP Tax Code concept, SAP Ariba Tax Master Data, SAP Ariba Master Data maintenance by using Import/Export Tasks, SAP Ariba Integration Task configuration as an expert configurator or consultant in these areas. We recommend 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 and web service and SOAP integration concepts.

The following tasks are expected to be completed before ONESOURCE Global Tax for SAP Ariba Solutions is configured in Customer's Ariba instance:

Task	Task Name	Description/Details	Responsible Team
1	SAP Ariba Customer and Thomson Reuters need to sign an agreement on ONESOURCE tax integration service		SAP Ariba Customer Support Team and Thomson Reuters Professional Team
2	Enable Tax API feature toggle in Ariba system		SAP Ariba Professional Team/Customer Support Team
3	Set SAP Ariba site parameters required to be maintained for utilizing third-party tax calculation feature	Parameters that are recommended by SAP Ariba/prescribed in SAP Ariba Tax Configuration Product Document	SAP Ariba Professional Team/Customer Support Team



Please consult SAP Ariba Customer Support for enabling external tax calculation in SAP Ariba Buying Solutions. SAP Ariba will be able to guide on required feature toggles and parameters that need to be enabled.

SYSTEM PREREQUISITES

The configuration involves creating a Web Service End-point using SOAP communication protocol to request tax calculation service from cloud system to a cloud based system and does not involve any new software components installation.

System	Requirements
SAP Ariba Procurement Solution	14s or Higher
ONESOURCE Indirect Tax Determination	Tax Calculation Service version 2011-09-01
ONESOURCE Global Tax for SAP ARIBA Solutions	ONESOURCE Global Tax for SAP ARIBA Solutions

SCOPE OF THIS SOLUTION

The ONESOURCE Global Tax for SAP Ariba Solutions makes tax calculation process simple by eliminating the need for manual tax master data preparation as required for a native Ariba tax solution. This integration solution utilizes dynamic tax content and a robust tax engine making it easy for even the most complicated tax scenarios.

The solution has been developed to comply with the following scope

- SAP Ariba Procurement Solutions with version 14s or Higher.
- Tax calculation using this product happens on SAP Ariba Purchase Requisitions (Goods, Services of type catalog or Non-catalog) and Invoice Reconciliation Documents (PO based, Non-PO based and ERS based).
- Use Tax, GST and VAT like taxes are covered at global level except Brazil.

RESOURCES

Resource	Description
Customer Support	Look for answers in the Knowledge Base, or open a support ticket on https://tax.thomsonreuters.com/support/onesource/indirect-tax
Configuration Guide	This guide instructs how to configure and setup the integration product to enable tax calculations using ONESOURCE Indirect Tax Determination.

SUPPORT PROTOCOL

The ONESOURCE Global Tax for SAP Ariba Solutions is built, maintained, and owned by Thomson Reuters Tax & Accounting Indirect Tax. The business unit has a dedicated group of employees who have built this product. SAP Ariba built the tax API within SAP Ariba hence they support the process of gathering data within SAP Ariba and making it available to the tax API. Thomson Reuters Integration maps data between SAP Ariba Tax API and Determination. In case of an issue with the ONESOURCE Global Tax for SAP Ariba Solutions, please follow below mentioned simple steps to open a support ticket with Thomson Reuters:

1. Identify the potential issue and gather all necessary facts (log files, scenarios, configurations, screen prints).
2. Provide steps to reproduce the scenario leading to the issue.
3. Provide system environment information such as your SAP Ariba Procurement Solution version, Cloud Integration version. ONESOURCE Indirect Tax Determination version and ONESOURCE Global Tax Integration for SAP Ariba Solutions integration version.
4. Open a support ticket with Indirect Tax at <https://tax.thomsonreuters.com/support/onesource/indirect-tax>

STYLE CONVENTIONS

Style conventions provide a guide as to how to interpret information.

Bold text indicates most user interface elements, such as:

- Data you are expected to enter, such as in a text field
- Pages, buttons, tabs, and field names
- Dialog boxes, drop-down lists, selections within lists, and check box titles
- Windows
- Menu items

Italic text indicates the following:

- File and folder names
- Software programming terminology and executable files
- Document titles

CAPITALIZED text indicates keyboard commands, such as ENTER, or database components.

`Courier` text indicates command-line input/output.

<brackets> indicate user entry. For example, <host> indicates you should replace the text and angle brackets with your server name.

Book titles are shown in italics and sections within a book are in quotation marks, such as “Tips and Tricks” in the *ONESOURCE Indirect Tax User Guide*.



Indicates suggestions or additional, detailed information.



Indicates important text that should be carefully reviewed before proceeding.

APPLICATION OVERVIEW

This chapter describes:

- The purpose and benefits of the ONESOURCE Global Tax for SAP Ariba Solutions application
- A high-level overview of the business process flow
- A description of the program flow by which the process works

PURPOSE AND BENEFITS

The ONESOURCE Global Tax for SAP Ariba Solutions application enables an organization using SAP Ariba Procurement Solutions (SAP Ariba Buying, SAP Ariba Buying and Invoicing, SAP Ariba Invoice Management) to accurately and efficiently calculate, accrue, and record tax for SAP Ariba Purchase Requisitions and Invoices.

This product enables Organizations to utilize tax calculation service from a robust tax engine backed up by world class dynamic and most up to date tax content. With very minimal master data maintenance, users can benefit from tax calculation on SAP Ariba approvable like Requisition, Invoice Reconciliation for domestic, foreign and cross-border tax scenarios from simple to complex in nature.

When ONESOURCE Global Tax for SAP Ariba solutions is integrated with SAP Ariba Procurement Solution, time and effort required for manual tax master data maintenance is saved while accessing most up to date content in real-time.

BUSINESS PROCESS FLOW

The exact procure to pay business process flow may vary by Buyer Organization practice, Buyer Organization's SAP Ariba and ERP system landscape but tax calculation service from ONESOURCE Global Tax for SAP Ariba Solutions is available on SAP Ariba Purchase Requisition and Invoice Reconciliation documents in SAP Ariba Cloud Buying Solution.

The following steps lists the process flow for tax calculation with a general procure to pay business transaction process:

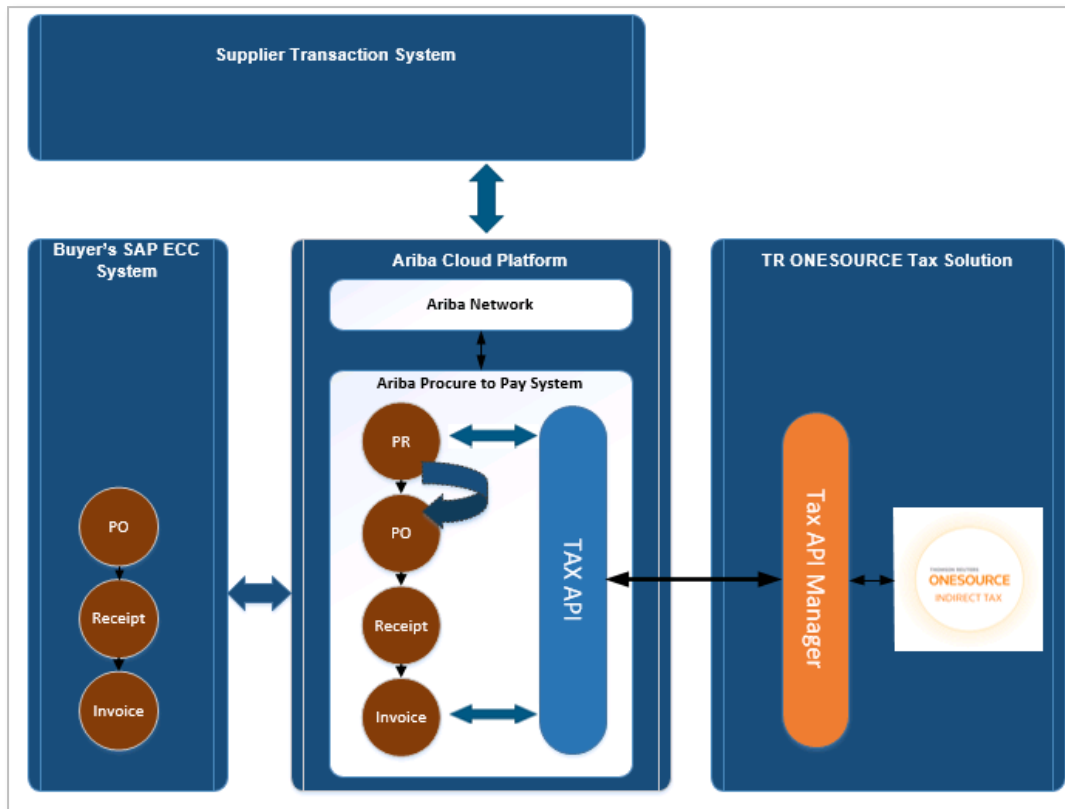
- The SAP Ariba Procurement Solution (SAP Ariba Buying, SAP Ariba Buying and Invoicing) makes tax call on purchase requisition when user submits the document for approval.
- SAP Ariba Procurement Solution sends the data at document level which is relevant for tax using web service/SOAP message channel.
- ONESOURCE Global Tax for SAP Ariba Solutions determines accurate tax data and responds back to SAP Ariba system with tax details (Tax Authorities, rate/amount, SAP Tax Code, SAP Account key and other information). SAP Ariba system captures data from tax call response and updates the details on Purchase Requisition line item.
- If for any reason user would like to change purchase requisition (on allowed requisition and order statuses) tax will re-calculated upon update document submission and during approval process.

- As per SAP Ariba Procurement standard functionality, Purchase Order would be created automatically once Purchase Requisition is approved. In addition to other data, tax data also gets copied to Purchase Order Line items and so there would not be other tax call on Purchase Order. If tax is recalculated on change purchase requisition transaction, updated taxes would be copied over to purchase order line items like other changes.
- As a next step, supplier receives the Purchase Order and may choose to confirm Order and send Advanced Ship Notice. Once Buyer Organization receives the goods or services, user posts the receipts (in case of receipt relevant transactions). Supplier submits Invoice for goods supplied or services rendered.
- During Invoice processing on SAP Ariba Buying and Invoicing or SAP Ariba Invoice Management solution, the system makes tax call on Invoice Reconciliation Document to verify taxes entered by Supplier.
- ONESOURCE Global Tax for SAP Ariba Solution determines and proposes expected taxes. If tax data on Invoice Reconciliation document matches with what ONESOURCE calculated, taxes would be reconciled and if no other variances are found, invoice gets reconciled. This process is repeated when the supplier also submits other non-standard invoice types like Line-item Debit Memo or Line-item Credit Memo.

But if there is any variance between tax information on IR document and tax calculation response from ONESOURCE Global Tax for SAP Ariba Solution, SAP Ariba system issues exceptions. Exception handling is SAP Ariba standard process. IR document has option to recalculate taxes. Buyer Organization's user can trigger tax call by selecting **Recalculate Tax** option on IR document. In case of IR rejection, subsequent Supplier re-submission, tax call would be made automatically when Invoice is re-submitted like Invoice posting process.

- This process flow would be similar irrespective of type of Procurement source like catalog or non-catalog based items, PO based, or Non-PO based Invoices and ERS based invoice.

The following diagram describes the tax request and response process in a typical Ariba Procure to Pay Business Process:



The ONESOURCE Global Tax for SAP Ariba Solutions is built to make Tax calculation process simple and easy supported by robust tax engine and world class research based dynamic tax content. Utilizing the tax calculation service from ONESOURCE Global Tax for SAP Ariba Solutions enable SAP Ariba Customer to save time required to set up tax process in SAP Ariba and tax master data maintenance.

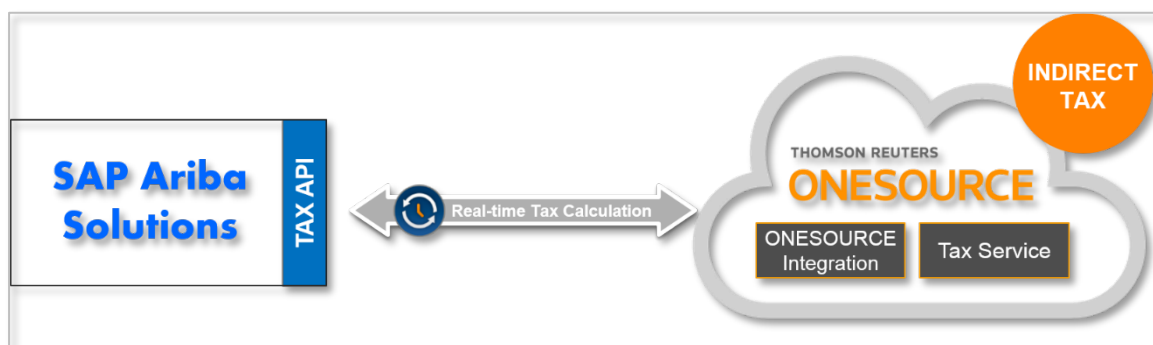
And, being supported by dynamic tax content and robust tax engine, simple to complex and domestic, foreign and cross border tax scenarios can be handled.

INTEGRATION FRAMEWORK

The ONESOURCE Global Tax for SAP Ariba Solutions integration framework comprises SAP Ariba Tax API communicating with ONESOURCE Tax Solution in real time using Web Services/SOAP protocol.

SAP Ariba Tax API is designed to make a web service call to the external Tax calculation service provider for tax calculation services and receive a response to update transaction documents. SAP Ariba Procurement Solution is configured with Web Service and Endpoint for ONESOURCE Global Tax for SAP Ariba Solutions. During procurement transaction, Tax API is invoked to make the external tax calculation.

ONESOURCE Global Tax for SAP Ariba Solutions receives a tax call where ONESOURCE Global Tax enriches the SAP Ariba application data and hands it over to ONESOURCE Indirect Tax Determination for tax calculation purpose. Once tax is determined, the response is converted per SAP Ariba message format by ONESOURCE Global Tax and sent over to SAP Ariba Tax API. SAP Ariba Tax API receives the response and updates the transaction documents with tax information received from ONESOURCE Global Tax for SAP Ariba Solutions. The tax call and response occur in real time to provide seamless integration between SAP Ariba Procurement Solution and ONESOURCE Global Tax for SAP Ariba Solutions.

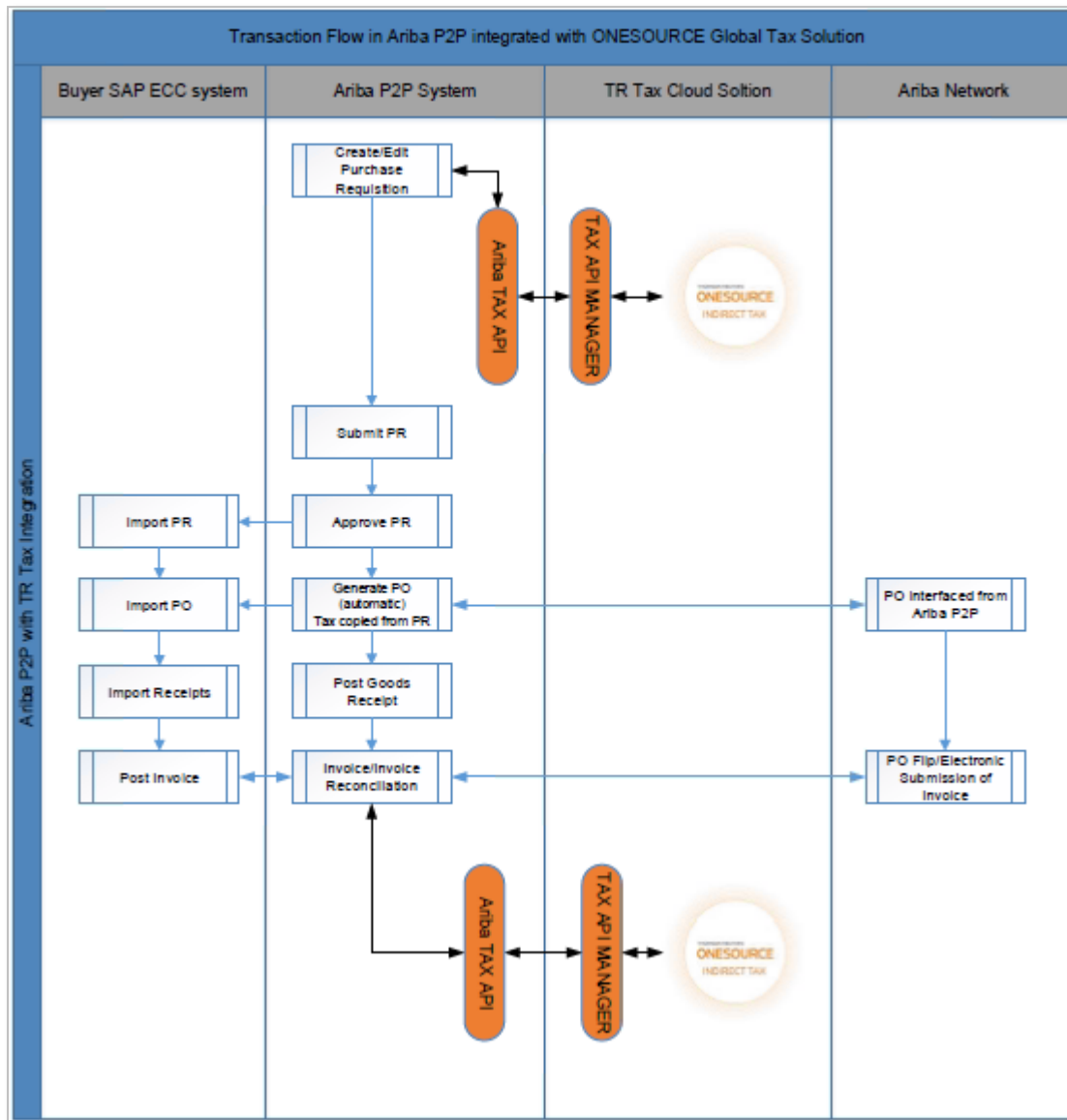


TAX CALCULATION USING ONESOURCE GLOBAL TAX FOR SAP ARIBA SOLUTIONS

PROCESS AND TRANSACTION FLOW

The integration of SAP Ariba Procurement Solution with ONESOURCE Global Tax for SAP Ariba Solutions would provide seamless and real-time tax calculation service. With ONESOURCE integration, Buyer Organization need not to maintain tax rates for each tax authority instead can rely on ONESOURCE Indirect Tax Determination System for complex tax component details, dynamic rate changes. ONESOURCE Indirect Tax Determination makes use of complex algorithms on dynamic and research based global tax content to determine to calculate accurate taxes.

A typical SAP Ariba Procure to Pay transaction with ONESOURCE Global Tax for SAP Ariba Solutions would be as shown in below diagram:



The tax calculation takes place on Purchase Requisition and on Invoice Reconciliation Document. The details process flow is as following:

1. Procurement business process normally starts with Purchase Requisition. During requisition processing buyer user can calculate taxes by simply clicking on **Update Taxes** button (newly introduced) available on requisition summary page (on top and bottom of the page).

Update Taxes button present on top and bottom of the page:

The screenshot displays the SAP Ariba requisition form for requisition PR1319. The top navigation bar includes buttons for 'Continue Shopping', 'Update Taxes' (highlighted with a red border), 'Delete', 'Save', and 'Submit'. The 'Summary' tab is active, showing fields for Title, On Behalf Of, Delay Purchase Until, Company Code, My Labels, Deliver To, and Need-by Date. A 'Cart Summary' table on the right shows 'IL Office Supplies (1)' for a total of \$3,000.00 USD. Below the summary, a section for 'Supplier Part #' and 'Commodity Code' is visible, along with a list of actions including 'Update Total'. The bottom navigation bar also features the 'Update Taxes' button, which is again highlighted with a red border.

2. SAP Ariba Procurement initiates the tax call and transmits document level information available on requisition to ONESOURCE Indirect Tax Determination. Based on transaction information received for requisition and based on corresponding legal entity (ex: SAP Company Code on requisition) tax set up in ONESOURCE Indirect Tax Determination, applicable tax rates are determined, and tax amount is calculated.
3. ONESOURCE Global Tax for SAP Ariba Solutions then sends back to SAP Ariba Procurement Solution detailed tax information including tax authorities, tax types, tax rates and tax amount. SAP Ariba solution would update the tax information on requisition document. The tax call request and response occurs in real time.
4. Ariba user can continue to process the requisition where document can be either saved for future processing or submitted for approval. When requisition is submitted for approval, tax call is made automatically to determine and calculate taxes.

12 Tax Calculation Using ONESOURCE Global Tax for SAP Ariba Solutions

Integration Framework



Update Taxes button is an optional feature which can be used to simulate tax calculation and check what could be expected tax. Ariba user can either save or submit the requisition without clicking on Update Taxes button. When user submits the requisition for approval, tax call is made automatically and ONESOURCE Global Tax Determination solution provides tax results.



If Buyer SAP Ariba Procurement Solution is enabled for external budget check, when user clicks on Update Taxes button taxes calculated externally will be sent over to backend ERP to check the availability of funds.

5. During requisition approval process, approver with appropriate edit authorizations may make changes. SAP Ariba makes tax calculation request to keep the tax amount up-to date based on changed requisition document.
6. SAP Ariba received tax result from ONESOURCE Global Tax and updates requisition document. Taxes column at line item level shows the tax amount calculated by external tax engine. The tax amount hyper link and Details buttons will show more details on taxes.

No.	Service Item	Type	Description	Qty	Unit	Price	Discount	Net Amount	Charges	Taxes ↓	Amount
1			Multi-Purpose Photocopier-3001PCA	1	each	\$3,000.00	USD-	USD \$3,000.00		\$247.50 USD	\$3,247.50 USD

Supplier Part #: 3001_PhotoCopier2
Commodity Code: Photocopiers
Material Group: 00601 (Office Machines)
Purch Org: 3000 (IDES USA)
Vendor: 3001 (IL Office Supplies)
Line Item Text:
Contact: IL Office Supplies
Payment Terms: 0001

Actions Update Total

Click on Tax Amount hyper link or Details button to check details of tax amount.

Tax Details for Line Item 1 - Multi-Purpose Photocopier-3001PCA

Tax Code: A1

Tax Components

Name	Is Deductible	Rate	Applied On	Amount
State Sales/Use	No	6.25%	USSG2: Standard Seller collected use tax applies because of sale from outside jurisdiction.[9980]P	\$187.50 USD
City Sales/Use	No	1.0%	USSG21: Standard Seller collected use tax applies because of sale from outside jurisdiction.[9981]P	\$30.00 USD
District Sales/Use	No	1.0%	USSG21: Standard Seller collected use tax applies because of sale from outside jurisdiction.[9981]P	\$30.00 USD

Tax Amount: \$247.50 USD

OK

Here user can see Tax Code A1 coming from ONESOURCE Global Tax for SAP Ariba Solutions. This is the SAP Tax Code configured in ONESOURCE Indirect Tax. In addition to SAP Tax Code, ONESOURCE Global Tax for SAP Ariba Solutions also provides the SAP Account Key as part of tax response.

The SAP Account key is not visible on UI but would be part of purchase order export and payment request export messages. The SAP Tax Code and Account Key (AccountInstruction is new name for this message xml element from Integration version 1.0.2.0/higher).

- When requisition is finally approved, a Purchase Order is created automatically. In addition to other information, Tax information also gets copied over to Purchase Order.

Purchase Order line item shows tax like Purchase Requisition under **Taxes** column.

Summary | Approval Flow | Receipts | Invoices | Payments | History

Order ID: PO424
 Version: 1
 Title: Ariba Demo
 Supplier: IL Office Supplies
 Contact: IL Office Supplies
 Close Order: Open
 My Labels: Apply Label... ⓘ

▼ Line Items

1 Line Item

Type	ReqID	Qty	Unit	Description	Supplier Part Number	Price	Discount	Net Amount	Charges	Taxes	Amount
PR1319	1	each		Multi-Purpose Photocopier-3001PCA	3001_PhotoCopier2	\$3,000.00 USD		\$3,000.00 USD		\$247.50 USD	\$3,247.50 USD

- Click on **Tax Amount** hyperlink or **Detail** to check tax amount details.

Tax Details for Line Item 1 - Multi-Purpose Photocopier-3001PCA

Tax Code: A1

Tax Components

Name	Is Deductible	Rate	Applied On	Amount
State Sales/Use	No	6.25%	USSG2: Standard Seller collected use tax applies because of sale from outside jurisdiction.[9980]P	\$187.50 USD
City Sales/Use	No	1.0%	USSG21: Standard Seller collected use tax applies because of sale from outside jurisdiction.[9981]P	\$30.00 USD
District Sales/Use	No	1.0%	USSG21: Standard Seller collected use tax applies because of sale from outside jurisdiction.[9981]P	\$30.00 USD

Tax Amount: \$247.50 USD

OK

- When Purchase Order is routed to Supplier or either available on Ariba Network, Supplier would ship goods or provide services. Buyer user upon receiving goods/services would create receipts as a general process/as applicable. Supplier can submit Invoice either on Ariba Network or an Invoice

14 Tax Calculation Using ONESOURCE Global Tax for SAP Ariba Solutions

Integration Framework

agent may enter it in SAP Ariba Procurement Solution if it is a paper Invoice (Ariba allows different mediums and channels for submitting Invoices)

- During Invoice reconciliation process, SAP Ariba makes a tax call and exports information on Vendor Invoice. ONESOURCE Global Tax for SAP Ariba Solutions would perform tax calculation and responds back with expected tax rate, amount, tax authorities, the tax types and the tax code which is updated on Invoice Reconciliation line items.
- Navigate to Invoice Reconciliation > Line View > Line Items to view tax response from ONESOURCE Global Tax for SAP Ariba Solutions.

IRArriba Demo-818

These are the details of the request you selected. Depending on its status, you can edit, change, copy, cancel, or submit the request for approval. You may also print the details of the request. Review

Force Pay

Print

Exceptions

Line View

Approval Flow

Reference

History

IRArriba Demo-818

Invoice ID: INVArriba Demo-818
Invoice From: IL Office Supplies on Sun, 08 Oct, 2017
Invoice Type: Purchase Order
Purchase Order(s): PO424

Header Information

Header Taxes, Charges, and Discount

Name ↑	Exceptions	Type	Taxable Amount	Amount	Accounting	Details
No items						

Line Items

No.	Description	Exceptions	Order	Qty	Unit	Price	Discount	Charges	Taxes ↑	Gross Amount	Accounting	Details
1	Multi-Purpose Photocopier-3001PCA	3	PO424	1	each	\$3,000.00	USD		\$247.50 USD	\$3,247.50 USD	(1)	Details

Details

Accounting Details

Action ▼

Click on **Tax Amount** hyper link under **Taxes** column on **Line Items** table or **Details** hyperlink to check detailed tax information.

Header Taxes, Charges, and Discount

Name ↑	Exceptions	Type	Taxable Amount	Amount	Accounting	Details
No items						

Line Items

No.	Description	Exceptions	Order	Qty	Unit	Price	Discount	Charges	Taxes ↑	Gross Amount	Accounting	Details
1	Multi-Purpose Photocopier-3001PCA	3	PO424	1	each	\$3,000.00 USD			\$247.50 USD	\$3,247.50 USD	(1)	Details

Details

Accounting Details

Action ▾

Clicking on **Details** would open the Line item in a new page and shows Taxes details as below (scroll down the page to see tax details).

User can see Tax Code A1, expected tax type, Tax Description, Expected Tax Rate, Tax Amount and other details

Taxes

Tax Code: A1

Taxes: \$247.50 USD

Description:

Tax Type	Tax Description	Accrual ↓	Reference Date	Expected Tax Rate	Taxable Total	Amount	Expected Tax Amount
District sales or use taxes not applied by political boundaries	District Sales/Use		Sun, 08 Oct, 2017	0%	\$3,000.00 USD	\$30.00 USD	\$30.00 USD
Sales or use taxes levied by a city	City Sales/Use		Sun, 08 Oct, 2017	0%	\$3,000.00 USD	\$30.00 USD	\$30.00 USD
Sales or use taxes levied by a state	State Sales/Use		Sun, 08 Oct, 2017	0%	\$3,000.00 USD	\$187.50 USD	\$187.50 USD

Feedback

12. If no validation errors and variance exceptions occur, Invoice Reconciliation would be successful.

13. Reconciled Invoices generate Payment Export (OK2PAY) and interfaced to backend ERP system for Invoice posting and Financial Accounting update. The tax information provided by ONESOURCE Global Tax is captured on OKP2AY and used during Invoice posting in backend ERP system.

INVOICE RECONCILIATION - TAX VARIANCE AND EXCEPTION HANDLING

There may be tax variance between taxes charged by Supplier on Invoice with what has been calculated by ONESOURCE Global Tax for SAP Ariba Solutions. ONESOURCE tax calculation logic is complex and utilizes all possible and available information to determine the most accurate and appropriate taxes for a given scenario at any given time.

There are three exceptions that may happen on Invoice Reconciliation document.

Under Tax Variance Exception

When Vendor Charged Tax, (VCT) amount is less than tax amount calculated by ONESOURCE Global Tax for SAP Ariba Solution, this results in under tax variance.

Over-Tax Variance Exception

When Vendor Charged Tax (VCT) amount is greater than tax amount calculated by ONESOURCE Global Tax for Ariba solution, this will result in Over-tax variance exception. Under tax and Over tax variances can be accepted or rejected by buyer users.

Taxes are accrued when buyer users accept Tax amounts calculated by ONESOURCE Global Tax for Ariba solution charged Tax instead of Vendor Charged Tax when reconciling invoices with under tax variance exceptions.

Handling the Under-Tax Variance or over tax variance exception is not impacted with the introduction of external tax calculation. Only difference here is instead of SAP Ariba Native tax solution, external tax provider ONESOURCE provides expected tax details. The entire process of exception handling can be carried out as usual.

Tax Calculation Failed Exception

This exception is generated when there is a mismatch between Supplier provided tax type(s) and the tax calculated by ONESOURCE Global Tax for SAP Ariba Solutions.

This exception cannot be accepted. Exception handlers who were added on Invoice Reconciliation document can verify if tax types selected by Supplier are invalid based on what has been proposed by ONESOURCE Global Tax for SAP Ariba Solutions. Invoice can be rejected with comments to Supplier requesting for replacement of wrong tax types with correct tax type on Ariba.

Supplier can re-submit Invoice with correct tax types which is then handled using regular workflow where Invoice Reconciliation would make a tax call and if Supplier charged tax amount and selected tax types are correct, reconciliation would be successful.

If exception handler finds that problem could be with ONESOURCE Global Tax for SAP Ariba Solutions, then first buyer user needs to contact ONESOURCE Indirect Tax Professional Services for resolving the issue. If problem exists with tax calculation service provider and issue has been fixed, exception handler can click on Recalculate Tax button to retrigger the tax call and get the tax response.

INTEGRATION VERSION 2.0.0.0 FUNCTIONALITY

SAP Ariba enhanced Tax API or Ariba API2 is an improved integration solution which includes new functionalities and features on both SAP Ariba Buying and Invoicing solution as well as ONESOURCE Global Tax for Ariba solution. This version also contains fixes for some of the existing bugs on earlier versions of the integration solution. The new enhancements on the integrated solutions includes enhancements on Tax Calculations, Invoice Reconciliation and OK2PAY integration with backend ERP. This new version will also support Direct Pay Permit feature as well as eliminate some of the customer pain points on tax type matching and tax type limitation on Ariba Network.

ONESOURCE Global Tax for SAP Ariba Solutions (Ariba Integration) through release 2.0.0.0 offers following new features:

1. Tax Response with both summarized and granular tax data.
2. Tax Response for US Scenario with Authority Types which matches Ariba tax types.
3. Direct Pay Permit functionality.
4. Support Tax Calculation Requests on SAP Ariba Line-Item Debit Memo, Line-item Credit Memo in addition to Purchase Requisitions and Standard Invoice documents.
5. Support Second Tax Calculation Request on SAP Ariba Invoice Reconciliation documents (Standard Invoice, Line-item Credit Memo, Line-item Debit Memo).
6. Audit Second Tax Calculation Request on SAP Ariba Invoice Reconciliation documents (Standard Invoice, Line-item Credit Memo, Line-item Debit Memo) for compliance and reporting purpose.

CHANGES TO TAX CALCULATION REQUEST AND ARIBA TAX RESPONSE

The SAP Ariba Cloud Buying and Invoicing solution with enhanced Tax API will make tax calculation request on Purchase Requisition, Standard Invoice, Line-item Debit Memo, Line-item Credit Memo documents unlike the previous versions which calculates taxes only on Purchase Requisition and Standard Invoice only.

SAP Ariba also makes two types of tax calculation requests with enhanced Tax API. The xml element RequestType on the tax calculation request is useful to identify type of tax calculation request. Below tables shows the type of Ariba document, type of tax calculation requests and its purpose.

Tax Call Request Type	Ariba Purchase Requisition	Ariba Invoice Reconciliation
TaxCalculation	X	X
ERPPosting	Not Applicable	X

RequestType	Purpose	SAP Ariba Document Type
TaxCalculation	Calculation of tax	<ol style="list-style-type: none"> 1. Purchase Requisition 2. Standard Invoice 3. Line-item Credit Memo 4. Line-item Debit Memo
ERPPosting	posting instructions for OK2PAY	<ol style="list-style-type: none"> 1. Standard Invoice 2. Line-item Credit Memo 3. Line-item Debit Memo

PRE-REQUISITE FOR ONESOURCE GLOBAL TAX FOR SAP Ariba SOLUTIONS 2.0.0.0

Integration Deployment Model	Prerequisite
Cloud	<ol style="list-style-type: none"> 1. Enable SAP Ariba Cloud Buying Solution with enhanced Tax API or Tax API2. 2. Existing SAP Ariba Cloud Buying Customers accept Data Definition for new XSD part of enhanced Tax API or Tax API2. 3. Subscribe to Ariba Integration version ONESOURCE Global Tax for SAP Ariba Solutions 2.0.0.0. 4. Update SAP Ariba Cloud Buying Solution with the latest Endpoint for ONESOURCE Global Tax for SAP Ariba Solution 2.0.0.0. 5. Refer <i>"ConfigurationGuideONESOURCEGlobalTaxforSAPArribaSolutions_2000.docx"</i> from Thomson Reuters and <i>"Tax and Charge Configuration Guide"</i> from SAP Ariba for more details.



The latest version of SAP Ariba Cloud Buying Solution comes with enhanced Ariba Tax API and the Integration User will not be required to accept Data Definition changes to make use of the new features of the enhanced API. However SAP Ariba Customers (Buying Organizations) who upgrade their realm with latest SAP Ariba releases/versions may need to accept the data definition changes to activate the new XSD that is part of the enhanced Tax API/Tax API2.



Please check [APPENDIXIII](#) for steps to accept Data Definition changes in SAP Ariba Cloud Buying Solution. (This is also be available from SAP Ariba Product Documentation help portal). Check section [UPDATE ENDPOINT](#) to update Endpoint Configuration for latest Integration version. For any questions regarding data definition and enhanced Tax API, please reach out to SAP Ariba Customer Support/Customer Engagement Executive.

TAX RESPONSE WITH SUMMARIZED AND GRANULAR TAX DATA

Ariba Integration will respond to match the tax granularity on calculated taxes from ONESOURCE Determination/Tax engine to the granularity of taxes in the Vendor Charged Tax on Ariba Invoice. In transactions where SAP Ariba Invoice Reconciliation documents are submitted without Vendor Charged Tax, Ariba Integration will provide granular tax data by default from ONESOURCE Determination/tax engine. The tax response for SAP Ariba Purchase Requisition tax calculation requests will always have granular tax data as vendors do not provide any tax on Purchase Requisitions.

When Vendor Charged Tax on Ariba Invoice is in summarized format (ex: SalesTax \$10.00), Integration will provide tax response in Summarized format for Invoice reconciliation purpose in SAP Ariba Cloud

Buying Solutions and in granular format (State Sales/Use \$5.00 and City/Use \$5.00) for Buyer User's verification purpose (to show what constitutes the SalesTax of \$10.00)

Illustration:

Ariba Tax calculation request:

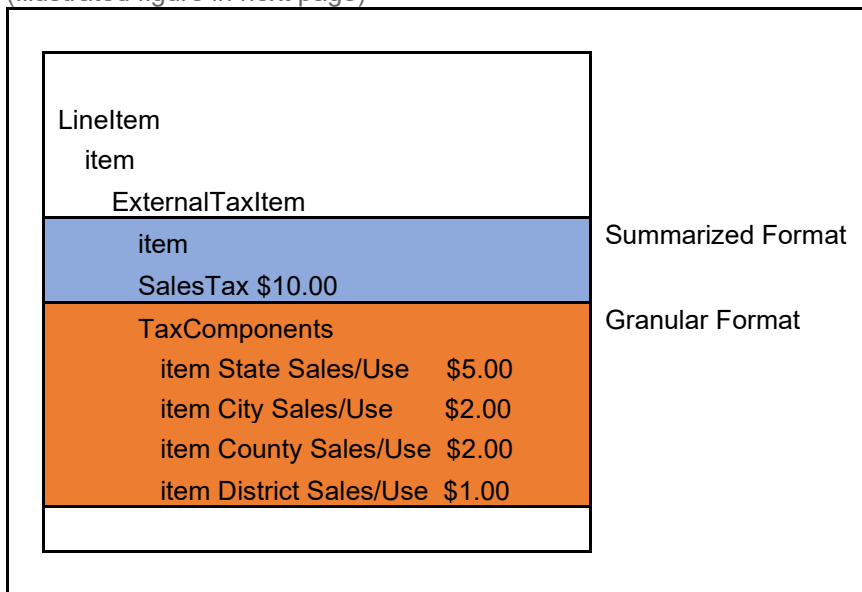
SAP Ariba Tax Calculation Request for Invoice Reconciliation Document IR-Test-123

Gross Amount \$100.00

Vendor Tax (Summarized format) SalesTax \$10.00

Ariba Tax Response:

Summarized section and Granular section on Ariba tax response.
(Illustrated figure in next page)



The illustrated figure is to help understand message structure with respect to Summarized and Granular tax data on the response. Ariba Tax Response will have more data in different models based on tax calculation request type and business scenario. Please check WSDL to see complete list of elements on request and response.

Vendor can submit Invoice with tax charge in granular format i.e. sales tax of \$10.00 can be entered by tax authority type in like State Sales/Use \$5.00. City Sales/Use \$5.00. When Vendor tax is in granular format, Ariba tax response will be granular.

Illustration:

Ariba Tax calculation request:

SAP Ariba Tax Calculation Request for Invoice Reconciliation Document IR-Test-123

Gross Amount \$100.00

Vendor Tax (Granular format):

State Sales/Use \$5.00

City Sales/Use \$5.00

Ariba Tax Response:

The item under ExternalTaxItem will show tax data in Granular format. SAP Ariba system will use this section for Invoice Reconciliation purpose. TaxComponents will not have any data as tax data under ExternalTaxItem is already in granular format.
(Illustrated figure in next page)

LinItem		
item		
ExternalTaxItem		
item		
item State Sales/Use	\$5.00	Granular Format
TaxComponents	<No Items>	
item City Sales/Use	\$2.00	
TaxComponents	<No Items>	
item County Sales/Use	\$2.00	
TaxComponents	<No Items>	
item District Sales/Use	\$1.00	
TaxComponents	<No Items>	



The illustrated figure is just to provide understanding on how granular response will look like. Ariba Tax Response will have more data in different models based on tax calculation request type and business scenario. Please check WSDL to see complete list of elements on request and response.

TAX RESPONSE WITH Ariba TAX TYPES

Ariba Integration version 2.0.0.0 (ONESOURCE Global Tax for SAP Ariba Solutions) with enhanced functionality reduces complexity associated with Ariba types vs. Determination tax authority types.

For easy understanding this feature is presented here with some important Use Cases.

Use Case 1: Ariba out of box tax type “SalesTax”/ “SUTTax” on Ariba tax response

Suppliers/Vendors in U.S. usually choose Ariba out of the box summarized tax type “SalesTax” to charge U.S. Sales and Use Tax instead of granular tax authority types like State Sales/Use and City Sales/Use tax. With Integration version 2.0.0.0, tax response will contain Ariba out of the box tax type “SalesTax”/ “SUTTax” (under ExternalTaxType on response xml) instead of Determination Authority type.

The Ariba tax type may vary based on ERP Variant used in SAP Ariba Cloud Procurement system. For this use case, Integration will contain same Ariba tax type that is seen on Ariba tax calculation request so irrespective of ERP variant and corresponding Ariba tax type, tax response will have matching summarized Ariba out of the box tax type.

Illustration:

1. If tax calculation request from SAP Ariba has “SalesTax” (Ariba tax for Vendor tax), response from Integration will have “SalesTax” as ExternalTaxType.
2. If tax calculation request from SAP Ariba has “SUTTax” (Ariba tax type for Vendor tax), response from Integration will have “SUTTax” as ExternalTaxType.

Use Case 2: Purchase Requisition and Non-U.S. Invoice Reconciliation Documents

SAP Ariba Purchase Requisition would not have Vendor tax and hence Ariba Tax Response for tax calculation requests from Ariba Purchase Requisition documents will have ONESOURCE Determination Authority types as tax types.

The tax response for tax calculation requests on Invoice Reconciliation Documents with non-U.S. taxable countries (ex: VAT, GST) Integration will have Determination tax authority types (VAT, GST, PST, HST) as ExternalTaxType for tax type matching in Ariba.

Illustration:

1. ExternalTaxType on the Integration tax response for a tax call on Purchase Requisition:
 - a. U.S. Scenario – State Sales/Use Tax; City Sales/Use Tax
 - b. DE/GB Scenario – VAT
 - c. CA Scenario – GST, PST

Use Case 3: Ariba out of the box tax type “vat” for Determination Country specific Tax Authority types (TVA, IVA, MWST)

Ariba standard tax type for VAT is “vat” and it is used for most of the VAT or VAT like Countries. But Determination has country specific authority types like MWST for Switzerland, IVA for Mexico, TVA for France. To prevent the tax type mismatch between “vat” on Ariba Invoice vs MWST, TVA, IVA from Determination, Integration provides a workaround using Determination Tax Code Qualifier Configuration where Ariba tax type can be entered on ERP Tax Code which then can be mapped to ExternalTaxType on response. This feature will be continued with release 2.0.0.0.

Illustration:

1. For France Domestic transaction, on tax calculation response, Integration will send “TVA” (Determination tax authority) as ExternalTaxType by default.
2. But if User configures out of the box Ariba Tax Types on Determination Tax Code Qualifier (on FR ERP Tax Codes) with Ariba tax type “vat”, Integration will send “vat” as ExternalTaxType.



Ariba tax types configured on ERP Tax Codes in Determination Tax Code Qualifier will take precedence over the standard Determination authority tax types when populating ExternalTaxType (used for tax type matching in Ariba) on response.

Please see [Tax Code Qualifier Based Ariba Tax Type](#) functionality for more details.

Advantages of Ariba Tax Types in Tax Response

1. Reduce tax type mismatch between Ariba tax types and ONESOURCE Determination Tax Authority types during Invoice Reconciliation process. This will save procurement/AP/Tax users time for more strategic work.

2. This feature will also eliminate the need for maintenance of Ariba tax type files (TaxType.csv and TaxTypeMap.csv) with numerical designators on Ariba Procurement solution. Examples include State Sales.Use_1, State Sales.Use_2, State Sales.Use_3, State Sales.Use_4 etc.

DIRECT PAY PERMIT INDICATOR

Some Businesses (usually Manufacturing entities) may obtain Direct Pay Permit from State/Local tax authorities to self-assess, accrue and remit Use tax on Purchases instead of paying Sales tax to Suppliers/Vendors.

SAP Ariba Cloud Buying Solution with enhanced Tax API or Tax API2 offers Direct Pay Permit exception with the help of Ariba Integration (ONESOURCE Global Tax for SAP Ariba Solutions).

Process

1. Integration user configures Direct Pay Permit using Determination Exemption Certificate feature.
2. Ariba Integration sets “**IsBuyerPayableTax**” flag as “true” on Ariba Tax Response when purchase transaction scenario contains Organization Unit/Company Code and Tax Authority combination which are maintained in Determination Exemption Certificate configuration.
3. SAP Ariba system raises an Invoice exception on line items where Vendor charges sales tax but Integration identifies the location and tax authority as Direct Pay Permit locations and therefore should be vendor tax exempt.
4. SAP Ariba system Buyer user (who is part of exception handling process chain) may dispute Invoice Amount so that zero tax amount is paid to Vendor (Payable to vendor do not contain vendor charged tax).
5. Buyer Organization accrue the consumer use tax and remits the tax to appropriate tax authorities directly.

Required Configuration

1. Configure Direct Pay Permit location(s) and Tax Authorities in Determination using Exemption Certificate Functionality.

For a specific Determination Company:

- a. Create new Customer with the same name as the Determination Company
- b. Create Customer Number equal to the External Company ID associated with that Company for which Direct Pay Permit is being configured.
- c. Create an exemption certificate for new customer with the following attributes:

Field	Value
Number	Permit Number
Valid From	(Today's Date)
Active	(Checked)
Status	Approved
Exempt Reason	Direct Pay Permit
Applied To	Choose the appropriate State

- d. Create exemption reason with the following values:

Field	Value
Long Code	Direct Pay Permit
Short Code	DP
Description	Direct Pay Permit



Do not check the Fully Exempt Box. Determination do not exempt any percentage of amount from calculated tax amount. Certificate functionality is used to identify a transaction with Direct Pay locations. The Determination response (LINE.TAX.EXEMPT_REASON) will show Direct Pay as exempt reason based on which Integration would flag IsBuyerPayableTax as true. This will help SAP Ariba Cloud Buying System to raise an exception if Vendor charges tax on an Invoice with Direct Pay location.



Please refer Determination Exemption Certificate help topic for more information.

Enable required SAP Ariba system parameters and configure Invoice exception for Direct Pay Permit exception (link).

- Parameter **Application.Invoicing.DisallowAcceptOnExceptionTypes** should be configured for Buyer Payable Tax Invoice exception to disallow using the accept button on IR exceptions. If empty, accept action is allowed. When configured with an exception type, system would not allow accept on that exception type.
- Activate and Configure **Buyer Payable Tax Invoice Exception Type** as suggested in SAP Ariba Product Guide "Tax and Charge Configuration".



- SAP Ariba Customer Support may help maintain the required Parameters and provide advice on new Invoice exception type.
- SAP Ariba User with Customer Administrator Group membership or Invoice Administrator, Invoice Manager Group membership can maintain (activate and configure) Invoice exception types.

TAX CALCULATION REQUEST ON ARIBA CREDIT MEMO AND DEBIT MEMO DOCUMENTS

SAP Ariba will make tax calculation requests on Line-item Debit Memo, Line-item Credit Memo documents in addition to standard Invoice. The document type for all the documents is Invoice Reconciliation.

With SAP Ariba Tax API2 and Ariba Integration version 1.0.3.x when we say tax calculation request on Invoice Reconciliation document it is assumed that it is being referred to tax calculation request on standard Invoice, Line-item Debit Memo, Line-item Credit Memo.

SAP Ariba tax calculation request and Tax Response xml message model for Line-item Debit Memo and Line-item Credit Memo will be like request and response xml message model for standard Invoice Document.

SECOND TAX CALCULATION REQUEST

This tax calculation request is referred with different names as it serves different purposes.

- **Second Call:** Ariba makes this call after first tax calculation request and hence the name Second call/Second tax calculation request.
- **ERPPosting Request:** Ariba uses the tax response as source of backend ERP account posting Instructions.
- **Audit Call:** The second tax calculation request or ERP Posting call is audited in ONESOURCE Determination and so it is also referred as Audit Call.

AUDIT

PROCESS OVERVIEW

ONESOURCE Global Tax for SAP Ariba Solutions audits Ariba tax transactions in addition to determining and calculating the taxes. This feature will enable users, who are already using tax calculation service to capture all SAP Ariba Invoice Reconciliation transactions to ONESOURCE Indirect Tax Determination audit data base for Reporting and Compliance purposes.

With Ariba's enhanced Tax API and ONESOURCE Global Tax 2.0.0.0 version audit process will be automatic unlike the earlier version. SAP Ariba makes second tax calculation request to ONESOURCE Global Tax on reconciled Invoices which are ready for invoicing in backend ERP system.

ONESOURCE Global Tax audits tax calculation requests on SAP Ariba Invoice Reconciliation (standard Invoice, line level credit memo, line level debit memo) documents. Tax calculation requests on SAP Ariba Purchase Requisition will not be audited.

PROCESS FLOW

- SAP Ariba Cloud Buying Solution makes tax calculation request on Invoice Reconciliation Documents (request type at message level is **TaxCalculation**) including standard Invoice, Line-item Debit Memo, Line-item Credit Memos.
- ONESOURCE Global Tax provide tax calculation results and SAP Ariba updates tax results on documents and completes the reconciliation process.
- When Invoice gets reconciled, SAP Ariba makes second tax calculation request (at message level request type is **ERPPosting**). This request is also known as Audit call.
- SAP Ariba request includes Vendor tax amount (xml element **OriginalSupplierAmount**) and total tax (xml element **FinalAmount**) on IR document which tells Integration that if any tax is being accrued (during Invoice reconciliation to handle tax variance exception(s)).
- ONESOURCE Global Tax forwards the request to Determination. For this Ariba request, Integration identifies tax accruals if any and makes the call to Determination accordingly to get appropriate tax rate, ERP Posting Key for vendor tax portion and consumer use tax portion of the tax from ONESOURCE Determination.
- ONESOURCE Determination calculates taxes for ERPPosting request, saves the transaction to audit database and concurrently SAP Ariba receives the tax response.

- All tax transactions from SAP Ariba (documents with no tax accrual, partial tax accrual, total tax accrual) will be saved to Determination Audit database.
 - In case of Partial Tax Accrual scenario (Buyer accrues the difference between Vendor tax amount on Ariba Invoice and Determination calculated tax amount).
- When Ariba receives a response for Audit calculation request, Invoice Reconciliation Document status changes to **Paying** (Please note that IR document status are configurable in SAP Ariba Cloud Buying Solutions).



ONESOURCE Global Tax version 1.0.3.x allows multiple tax calculation requests on same SAP Ariba document. ONESOURCE Determination audit updates audit database with latest tax transactions so that the most current and unique transaction data is available for reporting.

MULTIPLE AUDIT TAX CALCULATION REQUESTS

- OK2PAY/Payment Request will have some of the tax calculation information like ERP Posting Key (AccounInstruction), Tax Code, Rate, Amount etc. from ONESOUR0CE Global Tax tax response for the second call.
- For any reason, if OK2PAY interface to backend ERP system fails, SAP Ariba makes another ERPPosting call to ONESOURCE Global Tax.
- ONESOURCE Global Tax allows multiple tax calculation requests on same SAP Ariba document. Determination will calculate tax, save transaction to audit database and send response to SAP Ariba system.
- ONESOURCE Determination keeps the latest transaction data by cancelling the earlier transaction data for the same SAP Ariba document.
- Tax calculation requests on SAP Ariba line level credit memo documents will also be handled by Determination audit like tax calculation/audit process on standard Invoice/Invoice Reconciliation Document.
- Transaction data saved to ONESOURCE Determination Audit data base can be accessed through standard ONESOURCE Determination Audit Reports (please refer ONESOURCE Determination documentation to learn about standard Audit reports).

USE TAX ACCRUAL AND AUDIT

- The tax calculation on Invoice Reconciliation Documents (standard, line-item credit memo, line-item debit memo) may result in tax variance. SAP Ariba (when tolerances, parameters and workflow are setup) will raise tax variance exception.
- SAP Ariba Buyer user responsible for Invoice Reconciliation exception handling may accept either the vendor tax amount on Invoice or the external tax engine amount.
- After IR document reconciliation, SAP Ariba makes second call/ERPPosting call and ONESOURCE Global Tax will calculate tax, save tax transaction to audit database and send tax response to SAP Ariba system.
- SAP Ariba Buyer User's decision (exception handling) may result in total tax accrual, partial tax accrual (difference between Vendor tax and Determination calculated tax is accrued), no tax accrual.

- In case of partial tax accrual, ONESOURCE Global Tax Ariba tax response will contain tax blocks for both Vendor tax and User tax accrual with appropriate ERP Posting Key (xml message element is AccountInstructions) and flag to denote if tax is accrued or not (xml message element IsAccrual)
 - IsAccrual will be true for use tax accrual portion and false for Vendor tax portion of the total tax amount
 - ERPPosting key will be selected for Vendor tax portion and Use tax accrual portion from Determination Tax Code Qualifier.
- SAP Ariba will include ERP Posting Key (AccountInstructions) and accrual indicator (Yes/No) on OK2PAY/Payment Export which is used for Invoice posting in backend ERP system.

ERROR HANDLING

Errors may occur during tax calculation process in ONESOURCE Global Tax for SAP Ariba Solutions for any reasons like missing master data or configuration. In case of multiple errors, ONESOURCE Global Tax will return the error with higher severity to Ariba Solution.

ONESOURCE Global Tax version 1.0.2.0 and higher will provide access to transaction logs using User Interface. Transaction logs (request from SAP Ariba system, request to ONESOURCE Determination, response from ONESOURCE Determination, response to SAP Ariba) in xml format. These xml logs can be utilized as part of troubleshooting process.

To learn about how logs can be configured and accessed, please see refer [Transaction Logging](#) and [XMLs Log enablement](#) sections.

Customers can refer [Support Protocol](#) mentioned in this document for help on troubleshooting and resolution of the errors.

CONFIGURATION SET UP - Ariba

END-POINT CONFIGURATION

SAP Ariba Procurement Solution uses a web services channel with SOAP protocol to send requests and receive responses from ONESOURCE Global Tax for SAP Ariba Solutions tax calculation service.

SAP Ariba Procurement Solution's SOAP web services include integration tasks which require End-point to request and receive response through logical communication channels. End-point consists of URL and an authentication process which controls the access to that End-point. End-points can be of type inbound or outbound. Here we need outbound End-points to make tax calls to ONESOURCE Global Tax for SAP Ariba Solutions. SAP Ariba initiates the call using outbound End-point.



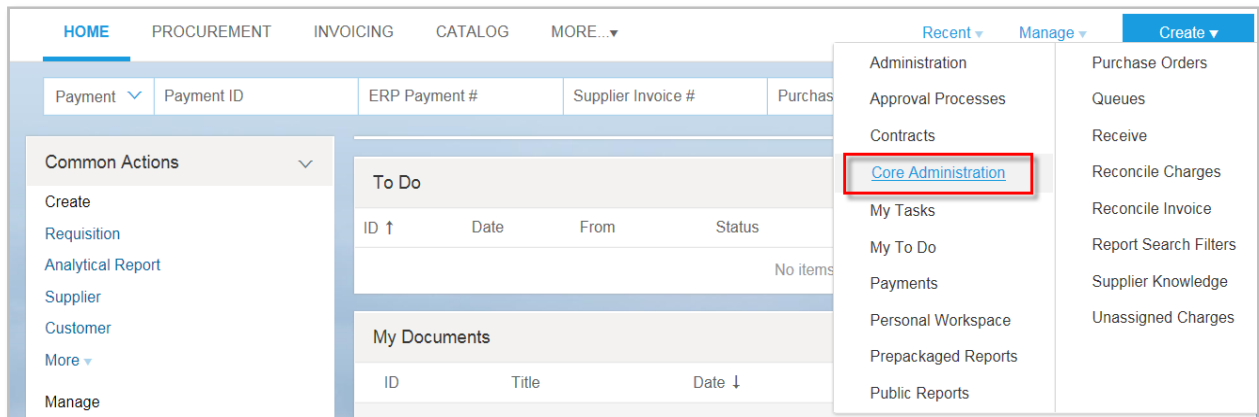
Users with roles/authorization groups Customer Administrator/Integration Administrator can be able to configure End-point.

The following steps with screenshots from SAP Ariba Procurement Solution explain configuration process:

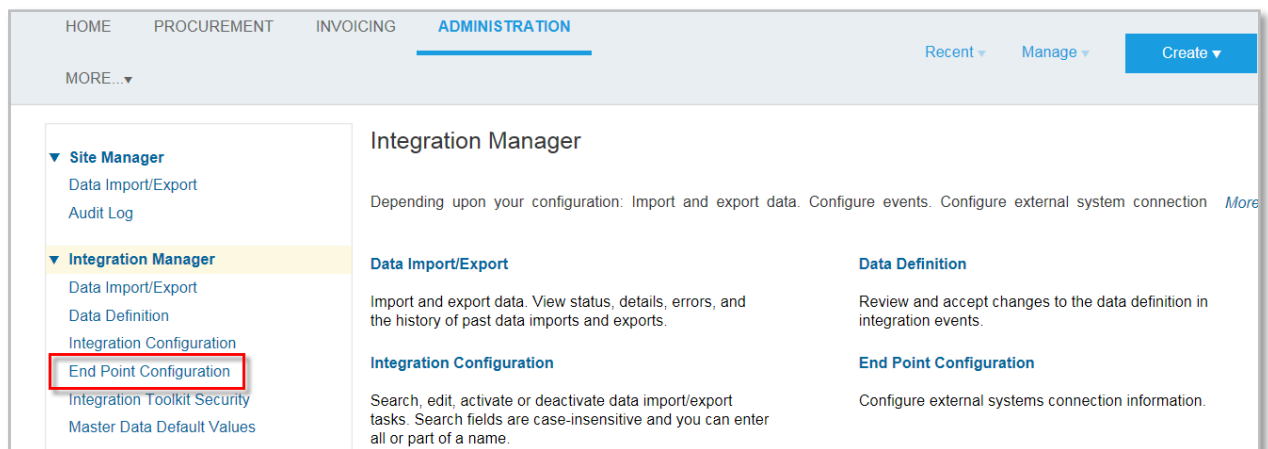
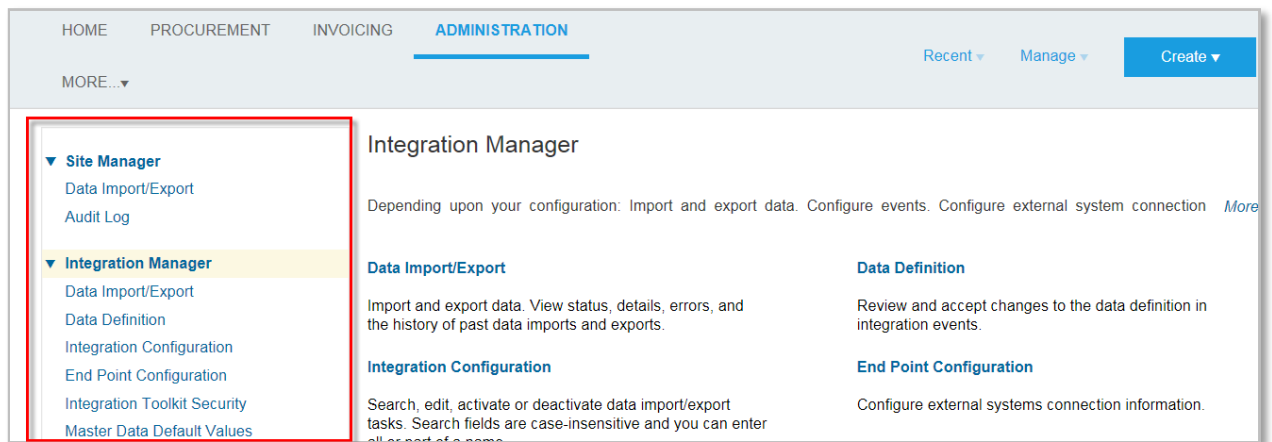
28 | Configuration Set Up - Ariba

End-Point Configuration

1. Log in to SAP Ariba Solution (SAP Ariba Buying and Invoicing, SAP Ariba Buying, SAP Ariba Invoice Management)
2. On the SAP Ariba Spend Management dash board navigate to Manage > Core Administration



3. SAP Ariba system opens a panel on left side of the home screen



4. Click on End-Point Configuration link found under Integration Manager.
5. Click on **Create New** button to create an End-Point.

HOME PROCUREMENT CATALOG 2 ADMINISTRATION MORE... Recent Manage Create

Site Manager
Data Import/Export
Audit Log

Integration Manager
Data Import/Export
Data Definition
Integration Configuration
End Point Configuration
Integration Toolkit Security
Master Data Default Values

Master Data Manager

Customization Manager

User Manager

End Point Configuration

Search for existing end points or create new end points. Search fields are case-insensitive and you can enter all or part of a name.

Search Filters: Add/Remove Search Filters

End Point:

Type: ☐ No Choice ☐ Inbound ☐ Outbound

Search **List All**

Name	Type
No items	

Create New

6. The user interface Create End-Point has three sections

- i. General,
- ii. Web Services Security,
- iii. HTTP Authentication.

SAP Ariba System offers user interface to enter End-point URL, set up authentication method and to enter credentials.

7. Maintain End-Point Name, Type and Address:

Under section General >

1. Enter a desired Name for End-point in input field **Name** ex: IndirectTax_ONESOURCE
2. Select **Outbound** radio button for type of End-point

When End-point type Outbound is selected, system will display a URL field >

Enter URL for the End-point on the target system (ONESOURCE Global Tax for SAP Ariba Solutions)

End Point Configuration - Create End Point

Save **Cancel**

General

Configure inbound and outbound integration end points. Optionally define a Web Services Security certificate and/or the HTTP authentication credential to use to secure the [More](#)

Name: *

Type: ☐ Inbound ☒ Outbound ⓘ

URL: *

1. enter a desired name

2. select radio button for Outbound

3. enter URL for end point



Thomson Reuters ONESOURCE Indirect Tax Professional Services would provide the End-point address (URL) for your test and production System set up during implementation process.

End Point Configuration

Search for existing end points or create new end points. Search fields are case-insensitive and you can enter all or part of a name.

Search Filters:

End Point: [Add/Remove Search Filters](#)

Type: ☐ No Choice ☐ Inbound ☒ Outbound

4. search would return endpoint that was created

3. Click on Search to find the endpoint created

Name	Type
IndirectTax	Outbound

8. Scroll down the page to HTTP section to maintain credentials for HTTP Authentication

HTTP Authentication

Specify HTTP authentication credential. Passwords are case-sensitive, and must be between 12 and 16 characters long. They can include any Latin characters and punctuation [More](#)

Login: **1. enter log in credentials**

Password:

Verify Password:

2. click save button

1. Enter **User ID** in Login field and **Password** in Password and Verify Password fields
2. Click on **Save** button to save the changes and to create the End-point.



The log in credentials that would be required here are same as log in credentials used for accessing ONESOURCE Determination system with "Source System" role.

9. To verify the End-Point created on End-Point Configuration screen:
 1. enter name of the End-point created in End-Point input field > select Type as **Outbound** > click on Search
 2. System would display End-Point created as shown below:

ENABLE WEB SERVICE INTEGRATION

By enabling integration task, we link End-point to the integration task. Here the Integration Task **Export Document Data to External Tax Calculation** would be linked to the End-Point created in earlier step.

1. Navigate to Manage > Core Administrator > **Integration Manager** > click on **Integration Configuration** option
2. Click on **List All** to list all Integration tasks
Or,
Select Format: **Web Service**,
Select End-Point: (End-point name created in Configure End-Point Step)
3. Choose Status: Disabled > click on Search button.
4. System would display the integration task Export Document Data for External Tax Calculation
5. Click on Actions button > Click on option Enable

Search Filters:

Task Name:

Format:

End Point:

Status: ☐ Enabled ☒ Disabled

Configuration

Tasks ↑	Format	Enabled	Supported Formats	
Export Document Data for External Tax Calculation <i>Exports data on approvable documents (such as requisitions and invoice reconciliations) to the external system for calculation of tax.</i>	Web Service	No	[Web Service]	<div> <div>Actions ▾</div> <div>Edit</div> <div>Enable</div> <div>Disable</div> </div>

6. Now choose the Status **Enabled** under Search Filters section and click Search to confirm the End-point activated.

Search Filters:

Task Name:

Format:

End Point:

Status: ☒ Enabled ☐ Disabled

Configuration

Tasks ↑	Format	Enabled	Supported Formats
No items			

Search Filters:

Task Name:

Format:

End Point:

Status: ☒ Enabled ☐ Disabled

Configuration

Tasks ↑	Format	Enabled	Supported Formats
Export Document Data for External Tax Calculation <small>Exports data on approvable documents (such as requisitions and invoice reconciliations) to the external system for calculation of tax.</small>	Web Service	Yes	[Web Service] <input type="button" value="Actions"/>

Now, we have created End-Point, activated it and linked it to Integration task which sends the data to ONESOURCE Global Tax for SAP Ariba Solutions.

DATA IMPORT/EXPORT TASKS

ONESOURCE Global Tax for SAP Ariba Solutions require following Import tasks to be maintained to calculate taxes accurately. These import tasks enable importing master data utilized during tax calculation.

EXTERNAL TAX CALCULATION PROVIDER

This task is useful to control the combination of SAP ECC Company Code and SAP Ariba Procurement approvable (Purchase Requisition, Invoice Reconciliation) for which Buyer Organization would like to get the tax calculation function by using 3rd party vendor in this case Thomson Reuter's ONESOURCE Global Tax for SAP Ariba Solutions.

The file structure is as follows:

```
UTF-8,,
COMPANYCODE,TAXSOURCE,APPROVABLENAME
4300,ThomsonReuters,ariba.invoicing.core.InvoiceReconciliation
2000,ThomsonReuters,ariba.invoicing.core.InvoiceReconciliation
1000,ThomsonReuters,ariba.invoicing.core.InvoiceReconciliation
2200,ThomsonReuters,ariba.invoicing.core.InvoiceReconciliation
3000,ThomsonReuters,ariba.invoicing.core.InvoiceReconciliation
4300,ThomsonReuters,ariba.purchasing.core.Requisition
2000,ThomsonReuters,ariba.purchasing.core.Requisition
1000,ThomsonReuters,ariba.purchasing.core.Requisition
2200,ThomsonReuters,ariba.purchasing.core.Requisition
3000,ThomsonReuters,ariba.purchasing.core.Requisition
```

- Field **COMPANYCODE** is SAP ECC Company Code (organizational unit)
- Field **TAXSOURCE** is always **ThomsonReuters** for utilizing tax calculation service from ONESOURCE Global Tax for SAP Ariba Solutions.
- Field **APPROVABLENAME** can have two values **ariba.purchasing.core.Requisition** which is SAP Ariba Procurement Document type for Purchase Requisition and **ariba.invoicing.core.InvoiceReconciliation** which is Invoice Reconciliation document. This allows enablement of tax calculations either for one process (requisition or invoice) or for both.



Thomson Reuter's ONESOURCE Indirect Tax Professional Services can assist with providing sample CSV import file.

Import data in to SAP Ariba Procurement Solution like other master data imports which is also explained here as follows:

Import Procedure:

1. On the SAP Ariba Spend Management Dash board click > **Manage > Core Administration**
2. System would display a panel on left side of the Home Screen with work space option Integration Manager



The task Import External Tax Calculation Providers cans also be found > **Site Manager > Data Import/Export**.

3. Click the expansion **arrow for Integration Manager** > Click on **Data Import/Export** option
4. Find the task you want to enable. Select **List All** or enter search criteria and click Search

Data Import/Export

Exclamation marks (!) indicate tasks that completed with errors or warnings. Refresh the screen to show current status.

[Download Data Dictionary](#)

Search Filters:

Task Name:

Search **List All**

Import **Export** **Web Service Status**

Import [Refresh Status](#)

3. System would display relevant Import Tasks here

Tasks	Integration Toolkit Names ↑	Status	Last Imported	
Import Tax Codes ⓘ		Completed	08/14/2017 05:45:05 PM	Import
Import Company Code Tax Registration Numbers ⓘ		Completed	08/14/2017 11:21:09 AM	Import
Import Purchase Organization to Supplier			08/14/2017	

5. Click on **Import** button to open the user interface for importing the data

Search Filters:

Task Name:

Search **List All**

Import **Export** **Web Service Status**

Import [Refresh Status](#)

Click on Import button for the task being imported

Tasks	Integration Toolkit Names ↑	Status	Last Imported	
Import Tax Codes ⓘ		Completed	08/14/2017 05:45:05 PM	Import
Import Company Code Tax Registration Numbers ⓘ		Completed	08/14/2017 11:21:09 AM	Import
Import External Tax Calculation Providers ⓘ		Completed	08/11/2017 05:58:20 PM	Import
Import Supplier Tax Registration Numbers ⓘ		Completed	07/11/2017 05:12:48 PM	Import
Import Tax Types ⓘ		Completed	01/25/2017 07:51:09 PM	Import

6. By default, the import operation type **Load** is selected > Click on **Browse** button to find the **TaxCalculationProviderExport.csv** file on user's computer system > click **Run** to import the file.

Data Import for Task "Import External Tax Calculation Providers"

Choose the operation you want to perform. Browse or specify the file where you want to import the data.

Select Import Operation:

1. Choose type of import operation
ex: for initial load choose Create operation

☐ **Load**
Creates and modifies objects in the database using values in the data file. If an object in the data file does not already exist in the database, it is created. If an object in the data file already exists in database, it is modified using the value in the data file.

☒ **Create**
Creates new objects in the database using values in the data file. If an object in the data file already exists in the database, it is not modified.

☐ **Update Only**
Modifies existing objects only in the database using values in the data file. If an object in the data file does not already exist in the database, it is not created. If you do not want to modify a particular object, do not include it in the data file. This operation can cause deactivated objects to be reactivated.

☐ **Deactivate**
Deactivates objects in the database based on objects in the data file. If you do not want to deactivate a particular object, do not include it in the data file.

Enter the location of the TaxCalculationProvider.csv file:

2. locate csv data file on your system

Tax Import Files\IMPORT FILES\TaxCalculationProvider.csv Browse...

3. Click on Run button to execute the import operation

7. Click OK to confirm the data import.

☒ **Create**
Creates new objects in the database using values in the data file. If an object in the data file already exists in the database, it is not modified.

☐ **Update Only**
Modifies existing objects only in the database using values in the data file. If an object in the data file does not already exist in the database, it is not created. If you do not want to modify a particular object, do not include it in the data file. This operation can cause deactivated objects to be reactivated.

☐ **Deactivate**
Deactivates objects in the database based on objects in the data file. If you do not want to deactivate a particular object, do not include it in the data file.

Enter the location of the TaxCalculationProvider.csv file:

Tax Import Files\IMPORT FILES\TaxCalculationProvider.csv Browse...

Confirm Data Import

Are you sure you want to run **Import Tax Types**?

7. System would return to Data Import/Export user interface screen and shows the status > Import > Status as Completed. Please click on Refresh Status if Status showed as Processing until Status becomes Completed.

Search Filters:

Task Name: [Search](#) [List All](#)

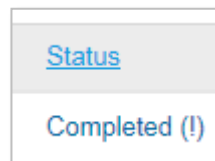
[Import](#) [Export](#) [Web Service Status](#)

Import [Refresh Status](#)

Tasks	Integration Toolkit Names ↑	Status	Last Imported	
Import Tax Codes ⓘ		Completed	08/14/2017 05:45:05 PM	Import
Import Company Code Tax Registration Numbers ⓘ		Completed	08/14/2017 11:21:09 AM	Import
Import External Tax Calculation Providers ⓘ		Completed	08/11/2017 05:58:20 PM	Import
Import Supplier Tax Registration Numbers ⓘ		Completed	07/11/2017 05:12:48 PM	Import
Import Tax Types ⓘ		Completed	01/25/2017 07:51:09 PM	Import



In case of errors, Status column under Import table will be shown as below:



8. Click on Completed hyper link to view the error, description and history

Details of the data import or export, including any errors that occurred, and the history of past data imports and exports are displayed below.



[Details](#)
[Error Details](#)
[History](#)

Process Start Date: 12/08/2016 05:45:31 PM
 Last Processed: 12/08/2016 05:45:31 PM
 Status: **Completed (!)**
 Records created: 2
 Records updated: 0
 Records deleted: 0
 Records exported: 0
 Client Type:
 Client Version:
 Client Information:

9. Click on **Error Details** to view the detail description of error and where the error has occurred.

[Details](#)
[Error Details](#)
[History](#)

ErrorId: 61155282
 Date: 12/08/2016 05:45:31 PM

[Hide Details](#)



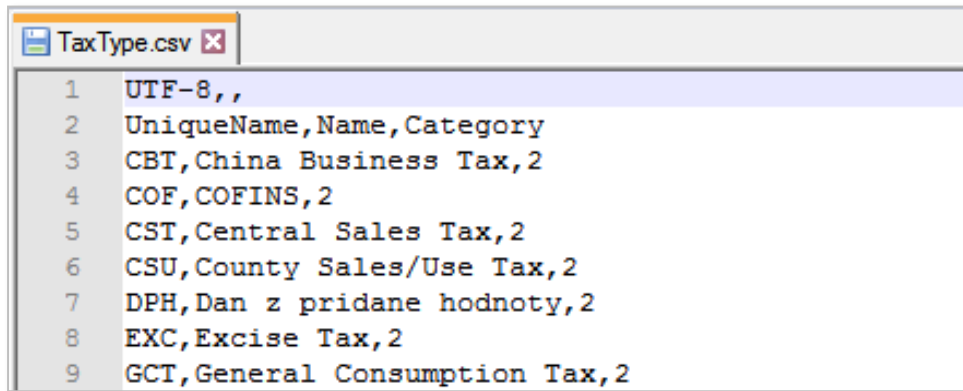
Error Items

Item ID ↑	Severity	File Name	Line Number	Error Message	Other Addresses
1	Error		0	Invalid field name SystemCommodityCode. Specify a field name that has been used in the tax code lookup. Invalid line item type for field name SystemCommodityCode. Invalid dotted field path for field name SystemCommodityCode. Provide a dotted field path that is valid for the specified line item type. Error executing trigger IntegrationPostCreate on [ariba.tax.core.TaxCodeLookupFieldMapping [Baseld 2765676267708 AE+IjuQoPvJsi8 zaj88pto.2g9qys0]] with data { DottedFieldPath = "File \TaxCodeLookupFieldMap.csv" (line 13, column DottedFieldPath): "Description.CommonCommodityCode";	

TAX TYPES

SAP Ariba Procurement Solution offers standard tax types by default but when Buying Organization enables their legal entities/SAP Company Codes to calculate taxes using ONESOURCE Global Tax for SAP Ariba Solutions, they need to maintain a comprehensive list of Tax Types provided by ONESOURCE Indirect Tax Professional Services. The list covers tax types on global level to ensure comprehensive tax regime coverage to provide error free tax results. Buyer Organization can maintain this TaxType.csv in addition to default tax types available in SAP Ariba Procurement Solution.

The sample TaxType.csv file will be as follows:



The CSV file has fields **UniqueName** which is the Tax Type name that can be recognized uniquely. The column **Name** can be same name as UniqueName or a descriptive name. The column **Category** has SAP Ariba standard values like 2 or 64. 2 denote Indirect Tax and 64 denote Withholding Tax. Here 2 is a fixed value that needs to be repeated for all Indirect tax types.

The columns/data description of Tax Type import task is as follows:

Field	Required	Description	Sample Value
Unique Name	Yes	String. References unique Name of Tax Type defined in SAP Ariba Procurement Solution	VAT
Name	Yes	Multilingual String. This is displayed on UI	Value Added Tax
Category	Yes	Integer. The category of the Tax Type 2 is for Indirect Tax and 64 is for Withholding Tax	2

The import tasks related to Tax are found under **Site Manager** Workspace. The navigation to the Data Import/Export task is as follows:

1. Ariba Spend Management > Manage > Core Administration > Site Manager > Data Import/Export

Data Import/Export

Exclamation marks (!) indicate tasks that completed with errors or warnings. Refresh the screen to show current status.

[Download Data Dictionary](#)

Search Filters:

Task Name: 2. Click Search

Search List All

1. enter search text here

3. system would display related tasks

4. Click

[Refresh Status](#)

Import **Export** **Web Service Status**

Import

Tasks ↓	Integration Toolkit Names	Status	Last Imported
Import Tax Type Translations ⓘ			
Import Tax Types ⓘ		Completed	06/23/2017 11:27:37 AM

Import Import

2. Select import operation type Create, select the CSV file from the system and click on execute button as shown below

Data Import for Task "Import Tax Types"

Choose the operation you want to perform. Browse or specify the file where you want to import the data.

Select Import Operation:

1. Choose type of import operation. Ex: here choose Create for Tax Types initial load

☐ **Load**
Creates and modifies objects in the database using values in the data file. If an object in the data file does not already exist in the database, it is created. If an object in the data file already exists in database, it is modified using the value in the data file.

☒ **Create**
Creates new objects in the database using values in the data file. If an object in the data file already exists in the database, it is not modified.

☐ **Update Only**
Modifies existing objects only in the database using values in the data file. If an object in the data file does not already exist in the database, it is not created. If you do not want to modify a particular object, do not include it in the data file. This operation can cause deactivated objects to be reactivated.

☐ **Deactivate**
Deactivates objects in the database based on objects in the data file. If you do not want to deactivate a particular object, do not include it in the data file.

2. Locate the import file on your system

Enter the location of the TaxType.csv file:

Import Files\IMPORT FILES\TaxTypeMaster Files\TaxType.csv

3. Click on Run button to execute the import operation

- System takes user to the Import UI screen and show the status which can be in progress or completed. If the status is in progress, click on Refresh Status to see the latest one. Status column and Task being imported shows the status and time stamp.

Search Filters:

Task Name:

Import Export Web Service Status

Import Refresh Status

Tasks	Integration Toolkit Names ↑	Status	Last Imported	
Import Tax Codes ⓘ		Completed	08/14/2017 05:45:05 PM	<input type="button" value="Import"/>
Import Company Code Tax Registration Numbers ⓘ		Completed	08/14/2017 11:21:09 AM	<input type="button" value="Import"/>
Import External Tax Calculation Providers ⓘ		Completed	08/11/2017 05:58:20 PM	<input type="button" value="Import"/>
Import Supplier Tax Registration Numbers ⓘ		Completed	07/11/2017 05:12:48 PM	<input type="button" value="Import"/>
Import Tax Types ⓘ		Completed	01/25/2017 07:51:09 PM	<input type="button" value="Import"/>
Import Tax Type Mappings ⓘ		Completed	12/19/2016 04:15:31 PM	<input type="button" value="Import"/>



TaxType.csv file that need to be imported in to SAP Ariba Buying Solutions can be found as an attachment with the KB Article found on Customer Platform Support at:

<https://tax.thomsonreuters.com/support/onesource/indirect-tax/?search=000039826>

TAX TYPE MAP

The Tax Type Map import task maintains the mapping between the normal Tax Types entered on Supplier Invoice with Tax Types defined in SAP Ariba Procurement Solution.

The sample TaxTypeMap.csv data file is as follows:

TaxTypeMap.csv	
1	UTF-8,
2	TaxLineType,Name
3	CBT,China Business Tax
4	COF,COFINS
5	CST,Central Sales Tax
6	CSU,County Sales/Use Tax
7	DPH,Dan z pridane hodnoty
8	EXC,Excise Tax
9	GCT,General Consumption Tax

SAP Ariba Procurement Solution by default maintains mapping for standard tax types but when Buyer Organization intend to use Thomson Reuter's ONESOURCE Global Tax for SAP Ariba Solutions for tax calculation service, it is required to maintain a comprehensive list of tax types recommended by Thomson Reuters ONESOURCE Indirect Tax Professional Services.

The CSV data file has fields **TaxLineType** which is tax type defined in SAP Ariba Procurement Solution. Field **Name** represents the normal tax types found on Supplier Invoice.

Field	Required	Description	Sample Value
Unique Name	Yes	String. References unique Name of Tax Type defined in SAP Ariba Procurement Solution	VAT
Name	Yes	Multilingual String. This the tax type found on Invoices	Value Added Tax

Once TaxTypeMapping.csv file is ready, it can be imported in to SAP Ariba Procurement Solution using import task **Import Tax Type Mappings**. Please refer steps under [IMPORT PROCEDURE](#) section of TAX TYPE IMPORT to import the data in to SAP Ariba Solution.



T TaxTypeMap.csv file that need to be imported in to SAP Ariba Buying Solutions can be found as an attachment with the KB Article found on Customer Platform Support at: <https://tax.thomsonreuters.com/support/onesource/indirect-tax/?search=000039826>

TAXTYPES TRANSLATION



The Tax Type Translations is an optional import and required only when the Tax Types need to be in a language other than the English.

The sample Tax Type Translations file is as follows:

TaxType Translations.csv		
1	UTF-8,,	
2	UniqueName,Name,Language	
3	CBT,China Business Tax,French	
4	COF,COFINS,French	
5	CST,Central Sales Tax,French	
6	CSU,County Sales/Use Tax,French	
7	DPH,Dan z pridane hodnoty,French	
8	EXC,Excise Tax,French	
9	GCT,General Consumption Tax,French	

The data description of the Tax Type Translations is as follows:

Field	Required	Description	Sample Value
Unique Name	Yes	String. References unique Name of Tax Type defined in SAP Ariba Procurement Solution	VAT
Name	No	Multilingual String. This is displayed on UI	Value Added Tax
Language	Yes	String. The language to which Tax Type is translated	French

The import tasks related to Tax are found under **Site Manager** Workspace. The navigation to the Data Import/Export task is as follows:

Ariba Spend Management > Manage > Core Administration > Site Manager > Data Import/Export

Once TaxTypeTranslation.csv file is ready, it can be imported in to SAP Ariba Procurement Solution using import task **Import Tax Type Translations**. Please refer steps under [IMPORT PROCEDURE](#) section of TAX TYPE IMPORT topic to import the data in to SAP Ariba Solution.

TAX TYPE MAPPING AND MATCHING

SAP Ariba Buying Solutions use tax type matching as one of the successful data validation criteria during tax reconciliation (part of Invoice Reconciliation).

- SAP Ariba calls it tax types and ONESOURCE refer it as Tax Authority Types.
- Tax Type and Tax Type Map are standard tax data used for both native tax engine and external tax engine.
- Tax Type Map helps map common tax types used on Supplier/Vendor Invoices (ex: AN Invoice) to tax types used in SAP Ariba Buying Solutions.
- Ariba matches tax authority types from ONESOURCE response with Ariba tax types during tax reconciliation between Vendor tax amount and expected tax amount as calculated by ONESOURCE Global Tax.
- ONESOURCE provides Tax Type and Tax Type Map tax data (KB Article 000039826) based on ONESOURCE Determination tax authority types.
- Ariba allows modification of Field/Column Name) in Tax Type Map and Tax Type data files as required/per Business needs. But TaxLineType from Tax Type Map should match with UniqueName in Tax Type file for successful tax type should match.
- Any change to field/column "Name" of common tax types and change to mapping between procurement tax type (Ariba Buying Solution) and common tax type used on Ariba Network should be done as per SAP Ariba Cloud Application rules.

TAX CODES

Tax Codes import task enable maintenance of Tax codes in SAP Ariba Procurement Solution. Like other import tasks in SAP Ariba Procurement Solution, Tax Code import task offers UI to import tax code data.

This import task consists of two import CSV files which are TaxCodeHeader.csv and TaxCodeDetail.csv. Import Tax Code Task UI offers option to import two CSV files in to the system in single step.



For SAP Ariba Procurement Solution's tax integration with ONESOURCE Global Tax for SAP Ariba Solutions, only TaxCodeHeader.csv import file with Tax Code data is required. And TaxCodeDetails.csv would be imported as an empty file for programmatic use.

Sample TaxCodeHeader.csv file:

```

TaxCodeHeader.csv
1  UTF-8,,,,
2  MWSKZ,Name,TEXT1,LAND1,State
3  A0,IDT Standard Output TAX Exempt,,US,
4  A1,IDT Standard Output TAX,,US,
5  AA,US is-exempt Output tax,,US,
6  AZ,AZ Input Tax,,US,
7  C0,IDT Standard Use TAX Exempt,,US,
8  C1,IDT Standard Use TAX,,US,
9  C5,molex test account,,US,

```

The description of the fields for the TaxCodeHeader.csv is as follows:

Field Name	Required	Description
MWSKZ	Yes	String. The unique name of the tax code. A tax code can be updated or deactivated using this unique name.
Name	No	Multilingual String. User specified name which is displayed on UI
TEXT1	No	Multilingual String. Additional information for the tax code like purpose
LAND1	Yes	String. The unique identifier of the Country for which the tax code is applicable
State	No	String. The unique name of the state for states in the US

Tax Code Header Import File Preparation

The data required for TaxCodeHeader.csv should match your backend ERP system's company code structure. It is therefore recommended to export the relevant company codes form SAP system.

To prepare the TaxCodeHeader.csv file using Tax Code Data from SAP ECC System follow below steps:



SAP Users with access to table browsing transaction SE16/SE16N and authorization to Company Code data can extract the Tax Code data using below steps.

User need to find out Tax Procedure assigned to the Country of the SAP Company Codes before extracting tax code data from T007A table.

1. First get the Country of the SAP Company Code for which TaxCodeHeader.csv is prepared for. This information can be found in SAP Table T001.
2. Then find Tax Procedure assigned to Country in SAP table T005.

Country of SAP Company Code:

General Table Display

Background Number of Entries All Entries

Table: T001 Company Codes

Text table: ☐ No texts

Layout: Maximum no. of hits: 500 ☐ Maintain entries

Field name	O.	Fr. Value	To value	More	Output	Technical name
Client						MANDT
Company Code		2000			<input checked="" type="checkbox"/>	BUKRS
Company Name					<input type="checkbox"/>	BUTXT
City					<input type="checkbox"/>	ORT01
Country					<input checked="" type="checkbox"/>	LAND1

Table to be searched: T001 Company Codes

Number of hits: 1

Runtime: 0 Maximum no. of hits: 500

CoCode: 2000 Cty: GB

Details

Tax Procedure for Country:

General Table Display

Background Number of Entries All Entries

Table T001 Company Codes
☐ No texts
 Text table
☐ Maintain entries
 Layout
 Maximum no. of hits 500

Selection Criteria

Fld name	O.	Fr.Value	To value	More	Output	Technical name
Client						MANDT
Company Code		3000			<input checked="" type="checkbox"/>	BUKRS
Company Name					<input checked="" type="checkbox"/>	BUTXT
City					<input checked="" type="checkbox"/>	ORT01
Country					<input checked="" type="checkbox"/>	LAND1

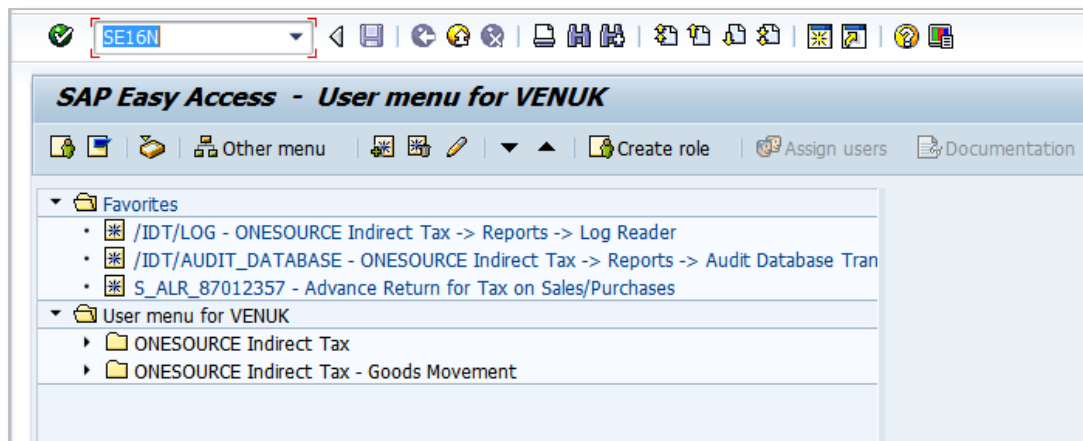
Display of Entries Found

Table to be searched T005 Countries
 Number of hits 1
 Runtime 0 Maximum no. of hits 500

Cty	Procedure
GB	ZTPGB

Once the Tax Procedure assigned to SAP Company Code is found, please follow below steps to extract Tax Code data:

1. Log in to SAP ECC system
2. Enter Transaction Code SE16N in Command Field and click on Green check mark



3. System would display table browser UI

General Table Display

Background Number of Entries

Table Tax Keys ☐ No texts

Text table ☐ Maintain entries

Layout

Maximum no. of hits

Selection Criteria

Field name	O.	Fr. Value	To value	More	Output	Technical name
Client						MANDT
Procedure					<input checked="" type="checkbox"/>	KALSM
Tax Code					<input checked="" type="checkbox"/>	MWSKZ
Indicator: Error Mes					<input checked="" type="checkbox"/>	PRUEF
Tax type					<input checked="" type="checkbox"/>	MWART
Single-Character Ind					<input checked="" type="checkbox"/>	XMSTU
Target tax code					<input checked="" type="checkbox"/>	ZMWSK
EU code					<input checked="" type="checkbox"/>	EGRKZ
Indicator: Tax code					<input checked="" type="checkbox"/>	XSLTA
Product code					<input checked="" type="checkbox"/>	PROCD
Tax category					<input checked="" type="checkbox"/>	TXIND
Relevant to tax					<input checked="" type="checkbox"/>	TXREL
Reporting cntry					<input checked="" type="checkbox"/>	LSTML

4. Enter:

- A. Tax Procedure of the SAP Company Code found in earlier steps in to **Procedure** input field
- B. Tax Type = V (input tax)

5. Click on **Deselect All** button as shown in below screenshot and Select Fields **Procedure**, **Tax type** and **Description**



For Demo purpose here, we used sample Tax Procedure ZTPFB. For Ariba Buyer Organization this could be any Tax Procedure configured for corresponding SAP Company Code.



Please note that the tax codes data extracted from SAP ECC system is the same data which is maintained in ONESOURCE Indirect Tax Determination for the purpose of Tax Integration between SAP Ariba Procurement Solution and ONESOURCE Global Tax for SAP Ariba Solutions.

First please list all the SAP Company Codes for which Tax Code Qualifier configuration is maintained in ONESOURCE Indirect Tax Determination for the input tax (tax types for Purchasing) for SAP Ariba Procurement solution tax integration purpose. Then extract Tax Code data for those company codes as explained in following steps.

General Table Display

Background Number of Entries All Entries

Table: T007A Tax Keys: ☐ No texts

Text table: T007S ☐ Maintain entries

Layout: Maximum no. of hits: 500

Field name	O.	Fr.Value	To value	More	Output	Technical name
Client						MANDT
Procedure		ZTPGB			<input checked="" type="checkbox"/>	KALSM
Tax Code					<input checked="" type="checkbox"/>	MWSKZ
Indicator: Error Mes					<input type="checkbox"/>	PRUEF
Tax type		V			<input type="checkbox"/>	MWART

6. Scroll down to find and select the field **Description**

Tol.per.rate				<input type="checkbox"/>	TOLERANCE
TgtTaxCde:EUAcq				<input type="checkbox"/>	ZMWSK_ESA
TgtTaxCode:EUAq				<input type="checkbox"/>	ZMWSK_ESE
New Def. TaxCde				<input type="checkbox"/>	NEWDEFTAX
COFINS Law				<input type="checkbox"/>	J_1BTAXLW4
PIS Law				<input type="checkbox"/>	J_1BTAXLW5
Description				<input checked="" type="checkbox"/>	TEXT1

7. Click on **Execute** button to display table contents for selected criteria,

8. System would display Tax Code and Description data per selection criteria as below:

Proc.	Tx	Description
ZTPGB	I1	IDT Standard Input DFLT
ZTPGB	V0	IDT GB Standard Input Tax Exempt
ZTPGB	V1	IDT GB Standard Input Tax
ZTPGB	V2	IDT GB Reduced Rate InputTax
ZTPGB	V3	IDT GB Zero Rate Tax Input
ZTPGB	V4	IDT GB Reverse Charge Input Tax
ZTPGB	V5	IDT GB Deferred Tax Input

9. Use below table to populate the TaxCodeHeader.csv using Tax Code data found in SAP ECC System.

Field Name	Required	Description	SAP Field
MWSKZ	Yes	String. The unique name of the tax code. A tax code can be updated or deactivated using this unique name.	T007A-MWSKZ
Name	No	Multilingual String. User specified name which is displayed on UI	T007A-TEXT1 (Description)
TEXT1	No	Multilingual String. Additional information for the tax code like purpose	Optional
LAND1	Yes	String. The unique identifier of the Country for which the tax code is applicable	T007S-LAND1 or Country found for SAP Company Code in Table T001
State	No	String. The unique name of the state for states in the US	Optional

10. Repeat the steps 1 to 7 under section [TAX CODE HEADER IMPORT FILE PREPARATION](#) for each SAP Company Code for which tax integration is enabled in SAP Ariba Procurement Solution.

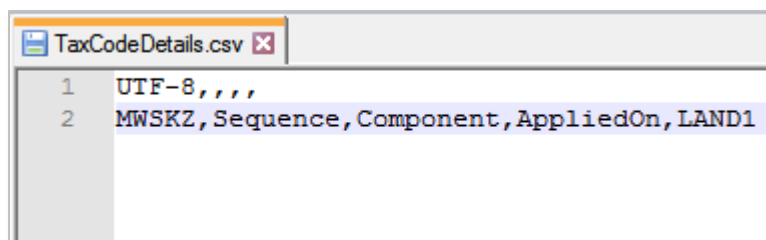


A single TaxCodeHeader.csv file can be used for Tax Code data of all Company Codes for which external tax integration is enabled in SAP Ariba Procurement Solution.

Tax Code Details Import File Preparation

The CSV file with only header data as shown in below sample file is required. It is a shell/empty file required for programmatic use while importing the data in to SAP Ariba Procurement System.

The sample TaxCodeDetails.csv is as follows:



Both TaxCodeHeader.csv and TaxCodeDetails.csv files can be imported using Import Tax Code task user interface.

The navigation to the Data Import/Export task is as follows:

Ariba Spend Management > Manage > Core Administration > Site Manager > Data Import/Export

Please refer steps under [IMPORT PROCEDURE](#) section of TAX TYPE IMPORT topic to import the data using **Import Tax Codes** import task.

TAX CODES TRANSLATION

If Customer would like to maintain description of Tax Codes in language other than English, perform Tax Codes Translation Task.

The data description of the file is as follows:

Field Name	Required	Description
UniqueName	Yes	String. The unique name of the tax code. A tax code can be updated or deactivated using this unique name.
Name	Yes	The translated Name of the Tax Code (Name field in TaxCodeHeader.csv) MultiLingualString. This is displayed on UI
Description	Yes	The translated description (TEXT1 field in TaxCodeHeader.csv) MultiLingualString. This is displayed on UI
Language	Yes	String. The language to which the name and description have been translated

Once the CSV file is prepared, to import tax code translation data file using **Import Tax Code Translations** import task, please refer steps under [IMPORT PROCEDURE](#) section of TAX TYPE IMPORT to import the data in to SAP Ariba Solution.

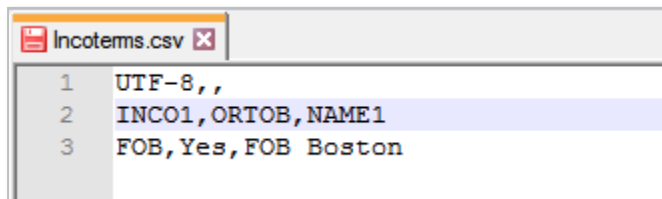
INCOTERMS

"Inco terms" are international rules for the interpretation of the commonly used terms in international and domestic contracts of the sale of goods.

Inco terms regulate the division of costs and the transfer of risks.

SAP ERP System provides standard Inco terms through table TINC. The data from SAP ERP table TINC can be used to populate the Incoterms.csv data import file in SAP Ariba Procurement Solution.

The sample Inco terms import CSV file is as follows:

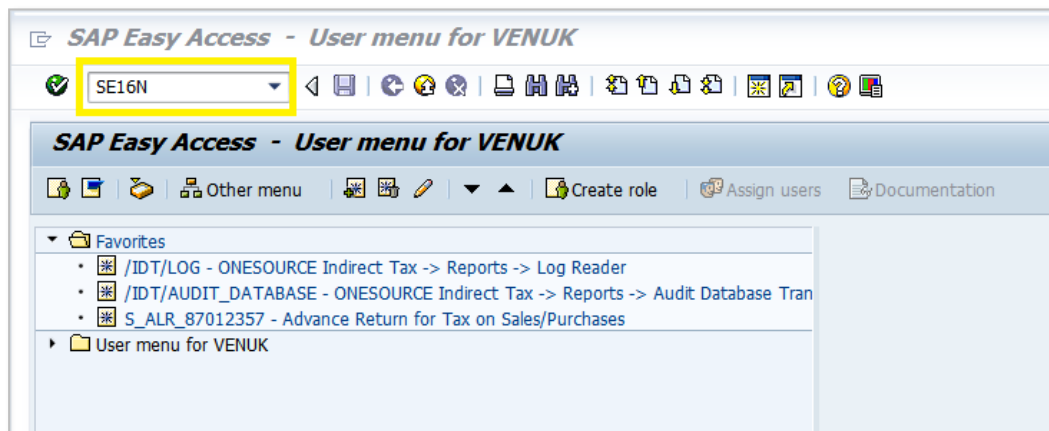


Line	Content
1	UTF-8,,
2	INCO1,ORTOB,NAME1
3	FOB,Yes,FOB Boston

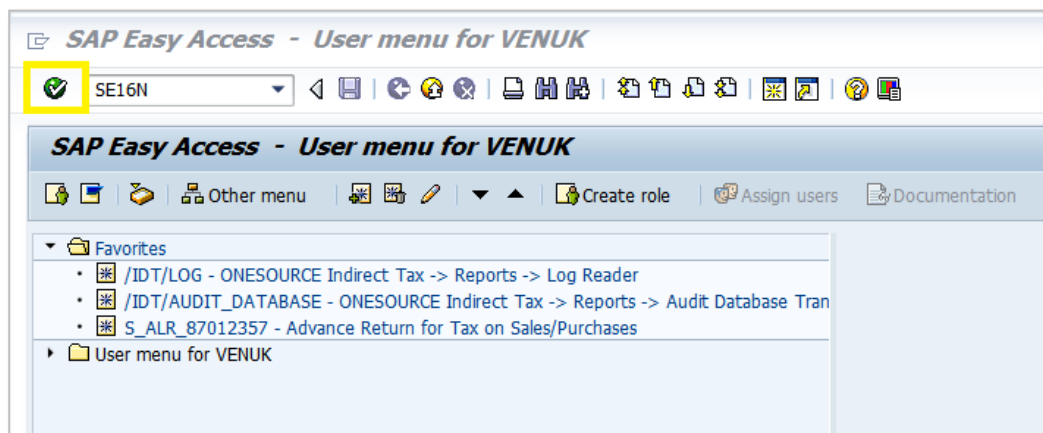
Please follow below steps to extract Inco terms data from SAP ERP and import in to SAP Ariba Procurement Solution:

Extract Inco terms Data from SAP ERP System

1. Log in to SAP ERP system > enter **SE16N** in Command Field on home screen-SAP Easy Access



2. Click on Green Check mark (enter button) to go to table UI



3. System will display table UI as below

General Table Display

Background Number of Entries

Table

Text table ☐ No texts

Layout

Maximum no. of hits ☐ Maintain entries

Selection Criteria						
Fld name	O.	Fr.Value	To value	More	Output	Technical name
					<input type="checkbox"/>	
					<input type="checkbox"/>	
					<input type="checkbox"/>	
					<input type="checkbox"/>	

4. Enter Inco terms table **TINC** in input field Table and click Green check mark or **Enter** button on keyboard

General Table Display

Background Number of Entries

Table Customers: Incoterms

Text table ☐ No texts

Layout

Maximum no. of hits ☐ Maintain entries

Selection Criteria						
Fld name	O.	Fr.Value	To value	More	Output	Technical name
Client						MANDT
Incoterms					<input checked="" type="checkbox"/>	INCO1
Location mand.					<input checked="" type="checkbox"/>	ORTOB
Title tr. loc.					<input checked="" type="checkbox"/>	OITITLE
GI loading/POD					<input checked="" type="checkbox"/>	OIG_GLPOD
Description					<input checked="" type="checkbox"/>	BEZEI

5. De-select all fields first and then select the fields which need to be downloaded as shown in below screenshots

General Table Display













Background Number of Entries   All Entries  

Table Customers: Incoterms
 Text table ☐ No texts
 Layout
 Maximum no. of hits ☐ Maintain entries

Field name	O.	Fr.Value	To value	More	Output	Technical name
Client						MANDT
Incoterms					<input checked="" type="checkbox"/>	INCO1
Location mand.					<input checked="" type="checkbox"/>	ORTOB
Title tr. loc.					<input checked="" type="checkbox"/>	OITITLE
GI loading/POD					<input checked="" type="checkbox"/>	OIG_GLPOD
Description					<input checked="" type="checkbox"/>	BEZEI

6. Select Fields **INCO1**, **ORTOB**, **BEZEI** and then click on Execute button.

General Table Display













Background Number of Entries   All Entries  

Table Customers: Incoterms
 Text table ☐ No texts
 Layout
 Maximum no. of hits ☐ Maintain entries

Field name	O.	Fr.Value	To value	More	Output	Technical name
Client						MANDT
Incoterms					<input checked="" type="checkbox"/>	INCO1
Location mand.					<input checked="" type="checkbox"/>	ORTOB
Title tr. loc.					<input type="checkbox"/>	OITITLE
GI loading/POD					<input type="checkbox"/>	OIG_GLPOD
Description					<input checked="" type="checkbox"/>	BEZEI

7. System will display all entries per selection criteria:

Display of Entries Found

Table to be searched: Customers: Incoterms

Number of hits:

Runtime: Maximum no. of hits:

IncoT	Cty	Description
CFR	X	Costs and freight
CIF	X	Costs, insurance & freight
CIP	X	Insured freight-free
COD	X	COD
CPT		Freight-free
DAF	X	Border delivered
DDP	X	Delivered cleared by customs
DDU	X	Delivered not cleared by cust.
DEQ	X	Delivered from quay (cleared)
DES	X	Delivered from ship
EXW		From plant
FAS	X	Free along side
FCA	X	Free freight
FH		Free house
FOB	X	Free on board
UN		Not free

8. Click on download option to download the content to user's computer system.

Table to be searched: Customers: Incoterms

Number of hits:

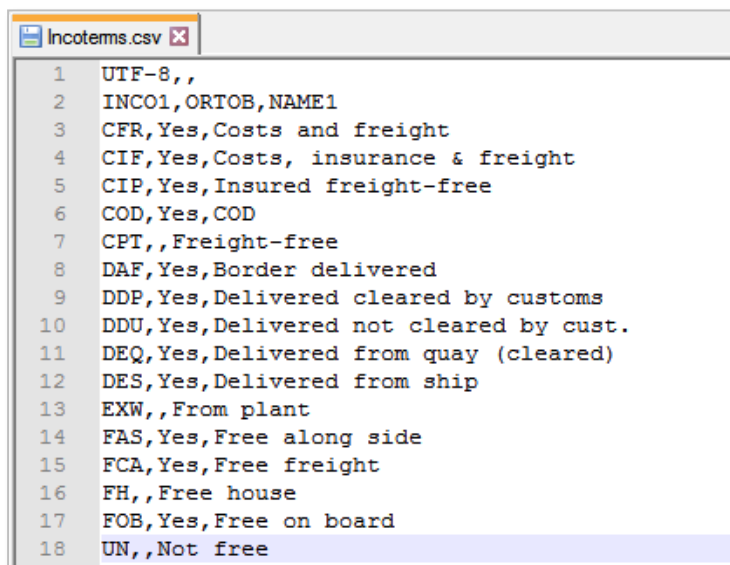
Runtime: Maximum no. of hits:

IncoT	Cty	Description
CFR	X	Costs and freight
CIF	X	Costs, insurance & freight
CIP	X	Insured freight-free
COD	X	COD
CPT		Freight-free
DAF	X	Border delivered
DDP	X	Delivered cleared by customs
DDU	X	Delivered not cleared by cust.
DEQ	X	Delivered from quay (cleared)
DES	X	Delivered from ship
EXW		From plant
FAS	X	Free along side
FCA	X	Free freight
FH		Free house
FOB	X	Free on board
UN		Not free

Spreadsheet
 Word processing
 Local File
 Send
 Office
 ABC Analys.
 HTML download

9. Once data is downloaded, prepare a CSV file like the sample shown here:

Sample file structure of Inco terms:



```

1 UTF-8,,
2 INCO1,ORTOB,NAME1
3 CFR,Yes,Costs and freight
4 CIF,Yes,Costs, insurance & freight
5 CIP,Yes,Insured freight-free
6 COD,Yes,COD
7 CPT,,Freight-free
8 DAF,Yes,Border delivered
9 DDP,Yes,Delivered cleared by customs
10 DDU,Yes,Delivered not cleared by cust.
11 DEQ,Yes,Delivered from quay (cleared)
12 DES,Yes,Delivered from ship
13 EXW,,From plant
14 FAS,Yes,Free along side
15 FCA,Yes,Free freight
16 FH,,Free house
17 FOB,Yes,Free on board
18 UN,,Not free

```

File data definition:

Field Name	SAP Field	Required	Type and description	Sample value
INCO1	TINC-INCO1	Yes	String. Refers to the Inco terms code or the unique internal identifier for the Inco terms.	FOB
ORTOB	TINC-ORTOB	No	Boolean. Specifies whether location is applicable for the Inco terms.	Yes
NAME1	TINCT-BEZEI	Yes	String. Description for the Inco terms code.	Free on board



The value “X” for SAP TINC-ORTOB should be specified as “Yes” and the value “Blank” for SAP TINC-ORTOB should be specified as a comma (,) in Incoterms.csv file.

Once the import CSV file is prepared, it needs to be imported in to SAP Ariba Solution.

The import tasks related to Inco terms are found under **Site Manager** Workspace in SAP Ariba Procurement Solution.

The navigation to the Data Import/Export task is as follows:

Ariba Spend Management > Manage > Core Administration > Site Manager > Data Import/Export

Please refer steps under [IMPORT PROCEDURE](#) section of TAX TYPE IMPORT to import the data using **Import Inco terms** import task.

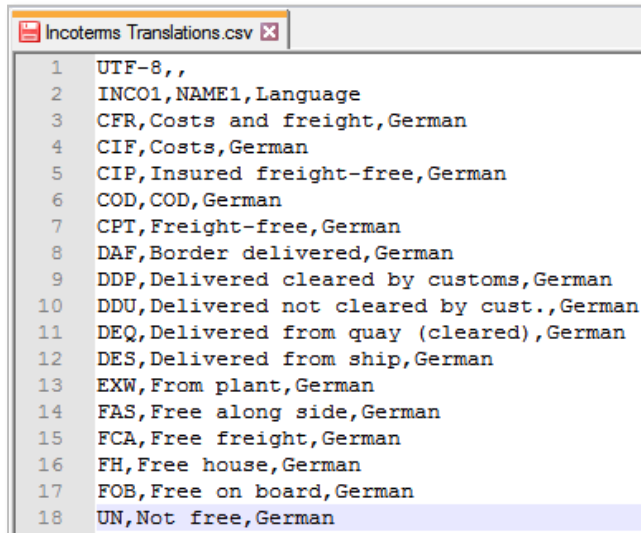
INCOTERMS TRANSLATION

To maintain translation for Inco terms, the import task, Inco terms translations need to be maintained.

The Inco terms Translations data definition is as follows:

Field Name	Required	Type and description	Sample value
INCO1	Yes	String. Refers to the Inco terms code or the unique internal identifier for the Inco terms.	FOB
Language	No	String. Refers to the language for the translation	German
NAME1	Yes	String. Description for the Inco terms code.	Free on board

Prepare the file as shown in below sample CSV file using the Incoterms.csv file. Fields INCO1 and NAME1 from Incoterms.csv with a new field called Language makes up the Inco terms Translations.csv file.



```

1 UTF-8,,
2 INCO1,NAME1,Language
3 CFR, Costs and freight, German
4 CIF, Costs, German
5 CIP, Insured freight-free, German
6 COD, COD, German
7 CPT, Freight-free, German
8 DAF, Border delivered, German
9 DDP, Delivered cleared by customs, German
10 DDU, Delivered not cleared by cust., German
11 DEQ, Delivered from quay (cleared), German
12 DES, Delivered from ship, German
13 EXW, From plant, German
14 FAS, Free along side, German
15 FCA, Free freight, German
16 FH, Free house, German
17 FOB, Free on board, German
18 UN, Not free, German
  
```

Once the CSV file ready using import task **Import Inco terms Translations** import the file in to SAP Ariba Solution.

Please refer steps under [IMPORT PROCEDURE](#) section of TAX TYPE IMPORT topic to import the data in to SAP Ariba Solution.

TAX REGISTRATION NUMBERS

SAP Ariba has created new data import tasks to import Buyer (Company) and Seller (Supplier) Tax Registration Numbers in SAP Ariba Procurement and Invoice Solutions. Using these import tasks, Customers can import registration numbers.

As part of ONESOURCE Global Tax for SAP Ariba Solutions implementation, Customers need to run these import tasks to maintain registration numbers in SAP Ariba Procurement and Invoicing Solutions. Registration numbers will be used on tax call request to ONESOURCE Indirect Tax Solution for accurate calculation of taxes.

BUYER TAX REGISTRATION NUMBERS

Sample CSV file:

```

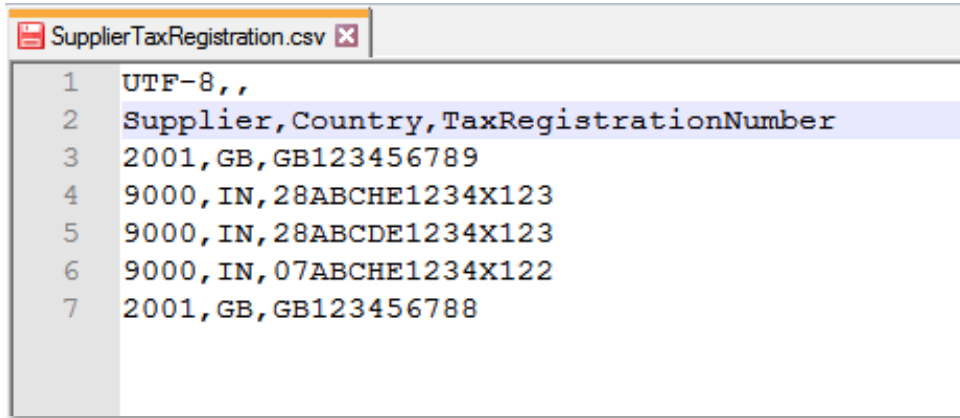
1 UTF-8,,
2 CompanyCode,Country,TaxRegistrationNumber
3 2000,GB,GB123456788
4 4300,IN,07ABCHE1234X122
5 4300,IN,82ABCDE1234X123
6 2000,GB,GB123456789
  
```

Details about the import data:

Field	Required	Description	Sample Value
TaxRegistrationNumber	Yes	String (50) A unique internal identifier for the company code.	VAT234432565
CompanyCode	Yes	String (50) The unique internal identifier for country.	3000
Country	Yes	String (50) The tax registration number for the company code and country combination	US

SUPPLIER TAX REGISTRATION NUMBERS

Sample CSV file:

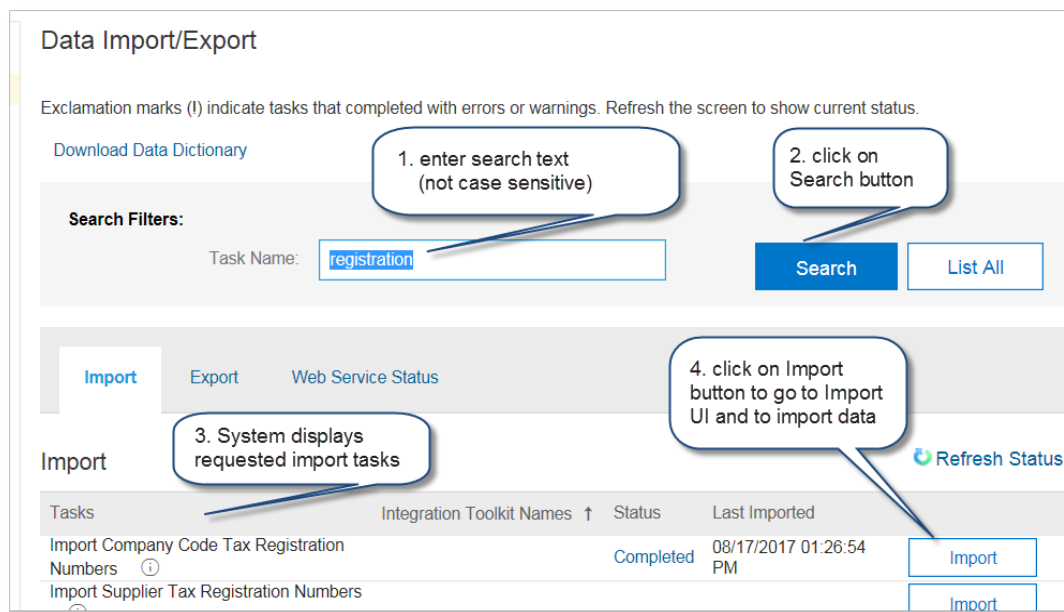


Details about the import data:

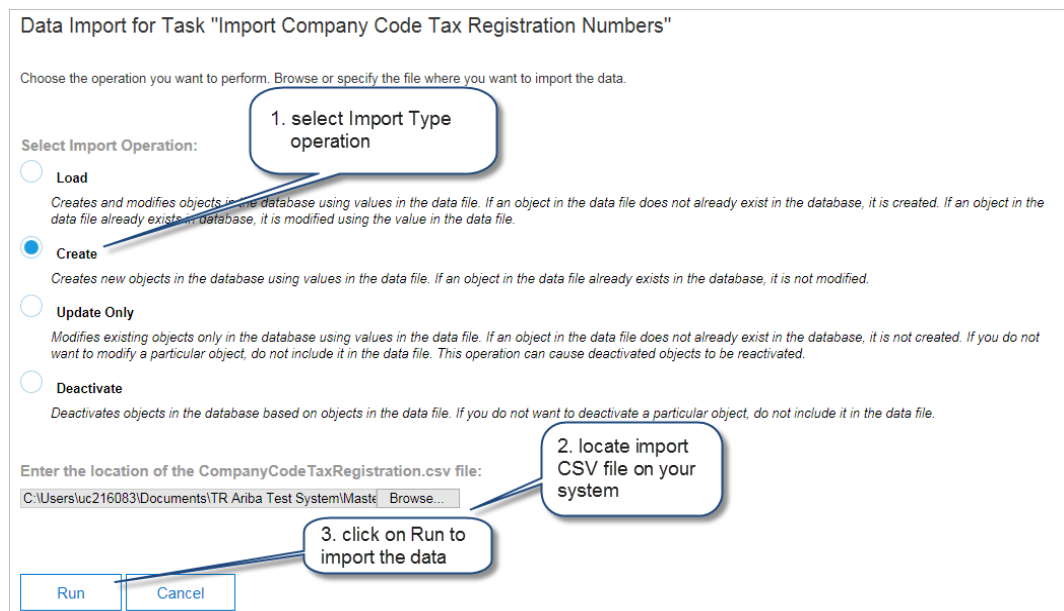
Field	Required	Description	Sample Value
TaxRegistrationNumber	Yes	String (50). A unique internal identifier for the company code.	VAT234432565
Supplier	Yes	String (50). A unique internal identifier for the supplier.	0000000001
Country	Yes	String (50). The tax registration number for the company code and country combination	US

Importing these CSV files is like any other Ariba standard data import task. To import this data, follow the navigation as explained below.

1. Go to Manage > Core Administration > Site Manager > Data Import/Export



2. Follow steps as shown on the above screenshot to access import UI page.



Data Import for Task "Import Company Code Tax Registration Numbers"

Choose the operation you want to perform. Browse or specify the file where you want to import the data.

Select Import Operation:

☒ Load
Creates and modifies objects in the database using values in the data file. If an object in the data file does not already exist in the database, it is created. If an object in the data file already exists in the database, it is not modified.

☐ Create
Creates new objects in the database. If an object already exists in the database, it is not modified.

☐ Update Only
Modifies existing objects in the database. If an object does not already exist in the database, it is not created. If you do not want to update a particular object, do not include it in the data file.

☐ Deactivate
Deactivates objects in the database based on objects in the data file. If you do not want to deactivate a particular object, do not include it in the data file.

Enter the location of the CompanyCodeTaxRegistration.csv file:
C:\Users\luc216083\Documents\TR Ariba Test System\Masked... Browse...

Run Cancel

Confirm Data Import

Are you sure you want to run Import Company Code Tax Registration Numbers?

OK

Cancel

- Click on OK button to continue

Download Data Dictionary

Search Filters:

Task Name: Search List All

Import Export Web Service Status

Status column indicates completion of task

Refresh Status

Tasks	Integration Toolkit Names ↑	Status	Last Imported	
Import Company Code Tax Registration Numbers ⓘ		Completed	09/25/2017 11:25:26 AM	Import
Import Supplier Tax Registration Numbers ⓘ				Import

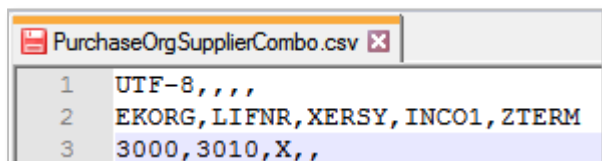
- Once import task is executed, system takes you back to the Import UI page > Import tab. System would show the status and date of completion for the import operation.
- Repeat the steps from 1 to 4 to import the Supplier Registration numbers for Import Task Supplier Tax Registration Numbers.

PURCHASE ORGANIZATION TO SUPPLIER MAPPING

The import task Purchase Organization to Supplier Mapping is an existing task for SAP Variant of SAP Ariba Procurement Solution. But the import file is updated with new field called **INCO1** to refer Incoterms code maintained in **Incoterms.csv** import file.

Inco terms are used by ONESOURCE Indirect Tax Determination. When buyer organization enables a SAP Company Code for tax calculation by Thomson Reuter's ONESOURCE Global Tax for SAP Ariba Solutions, this import task need to be updated.

The sample CSV file for updated import task Purchase Organization to Supplier Mapping is as follows:



	PurchaseOrgSupplierCombo.csv
1	UTF-8, , , ,
2	EKORG, LIFNR, XERSY, INCO1, ZTERM
3	3000, 3010, X, ,

The new column INCO1 is added is seen in the sample file. Please use the values for INCO1 column from Incoterms.csv import task. Once PurchaseOrgSupplierCombo.csv file is prepared use import task **Import Purchase Organization to Supplier Mapping** to import the data in to SAP Ariba Solution.

Navigation: Manage > Core Administration > Site Manager > Data Import/Export

Please refer steps under [IMPORT PROCEDURE](#) section of TAX TYPE IMPORT to import the data in to SAP Ariba Solution.



As this is an update to existing data, please use Update import operation type while importing the data.

CUSTOM FIELDS

SAP ARIBA Customer can make use of Custom fields in the tax calculation process using ONESOURCE Global Tax for SAP Ariba Solutions.

To accomplish this Customer, need to follow the following steps:

- Customer need to contact SAP ARIBA Customer Support for creating Custom fields.
- SAP ARIBA Customer Support creates the Custom field(s) per Customer specification and marks the fields as tax influencing fields.
- SAP ARIBA Customer then work with Thomson Reuter's ONESOURCE Indirect Tax Professional Services to make Custom fields as part of external tax call.
- Thomson Reuter's Global Tax PS works with internal engineering team to map tax influencing custom fields to User Attribute Elements in Tax Integration and Determination Tax policy.
- Customer and Thomson Reuter's Global Tax PS team test the newly added Custom fields before moving the changes to Production systems (Customer's SAP ARIBA realm and ONESOURCE Global Tax for SAP Ariba Solutions).



Integration version 1.0.2.0 or higher has User Interface which allows users to make configuration with less dependency.

CONFIGURATION SET UP - ONESOURCE GLOBAL TAX

INTEGRATION USER INTERFACE

The User Interface offers screens to configure the ONESOURCE Global Tax for SAP Ariba Solutions (Integration). The Cloud and OP users are offered with same UI features. Integration UI will have Application Menu which consist of sub menu items giving access to set up and configuration screens.

APPLICATION MENU	SUB MENU ITEMS/UI SCREENS
Home	
Configuration	Ariba Realm Specific Configurations
	XMLs Log Enablement
	Tax Summarization
	Custom Field Mapping
Ariba Integration Settings	
Logs	

Integration UI does offer Integration Roles for administration, configuration and view only access of UI screens.

INTEGRATION ROLE	DESCRIPTION
Integrations Admin	Allows User to: <ul style="list-style-type: none"> • configure Health Check History settings, • Tax Block negation table and • view configuration and logs
Integrations Configurator	Allows User to: <ul style="list-style-type: none"> • map Ariba Realm to External Company Prepend, • enable XMLs Log for transactions, • configure Tax Summarization, • configure custom field mapping, • view Administration settings and logs.
Integrations User	Allows User to <ul style="list-style-type: none"> • view Administration settings, • view Configuration parameters and search logs.

PREREQUISITES

SYSTEM AND USER ACCOUNT PREREQUISITES

Integration Deployment Model	Requirements
Multi-Tenant Hosted	<ul style="list-style-type: none"> Determination User Accounts assigned with required Integration Roles Access the ONESOURCE Global Tax for SAP Ariba Solutions Integration UI through web browser
Single-tenant Hosted	
IDT 2018 Cloud	
On-Premise	<ul style="list-style-type: none"> Install Integration UI as specified in the Install Guide Determination User Accounts assigned with required Integration Roles Access the ONESOURCE Global Tax for SAP Ariba Solutions Integration UI through web browser with endpoint set up in your technology stack per OP Installation guide (<i>InstallGuideONESOURCEGlobalTaxSAPAribaSolutions_1.0.2.0</i>)



Customers who are using Multi-Tenant Hosted, Single-tenant Hosted, IDT 2018 Cloud deployment models of ONESOURCE Global Tax for SAP Ariba Solutions are commonly referred as Cloud Users in this document for simplicity.

AUTHENTICATION

User Authentication is managed via ONESOURCE Determination, so you will need the log on credentials set up in the ONESOURCE Determination.

Once logged in to ONESOURCE Global Tax for SAP Ariba Solutions Integration UI, user name and tenant will be displayed on the top right-hand corner of each page.

AUTHORIZATION

User's authorization to configure Integration for their ERP Companies depends on the Companies that are assigned to User account in the ONESOURCE Determination.

Authorization to Integration UI screens depends on the Integration Roles that are assigned to the User in the ONESOURCE Determination.

INTEGRATION UI ROLE MATRIX

The below matrix shows roles and authorization type that each role would provide for a UI Screen and Configuration options.

		Integration Roles		
		Integrations Admin	Integrations Configurator	Integrations User
Integration Parameters	Ariba Realm Specific Configurations (SAP Ariba Realm, External Company Prepend)	R	CRUD	R
	Ariba Integration Settings (Health Check Entry Values, Tax Block Negation)	CRUD	R	R
	Custom Field Mapping (SAP Ariba Realm, Document Level, Custom Type, Ariba Field Name, Determination User Element ID)	R	CRUD	R
	XMLs Log Enablement (SAP Ariba Realm, Determination Company, Document Type)	R	CRUD	R
	Tax Summarization (US Tax Summarization options, VAT Summarization Options)	R	CRUD	R
	Logs	R	R	R

Key: C=Create; U=Update; R=Read; D=Delete

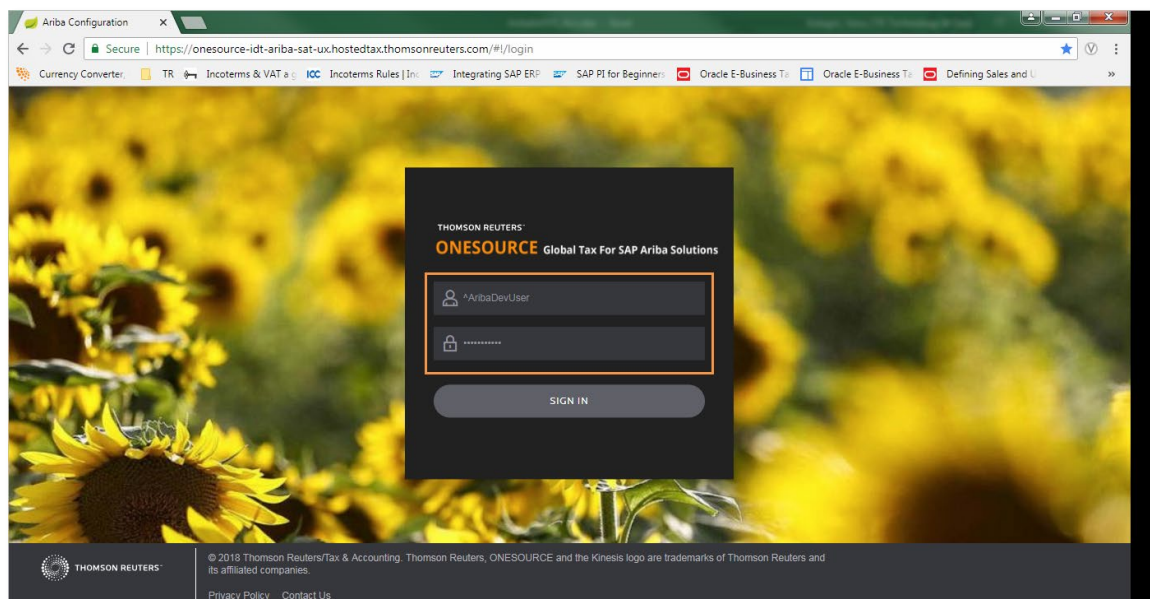
INTEGRATION UI LOG-IN AND BASIC NAVIGATION

This chapter explains about the log in and general navigation for Integration UI.

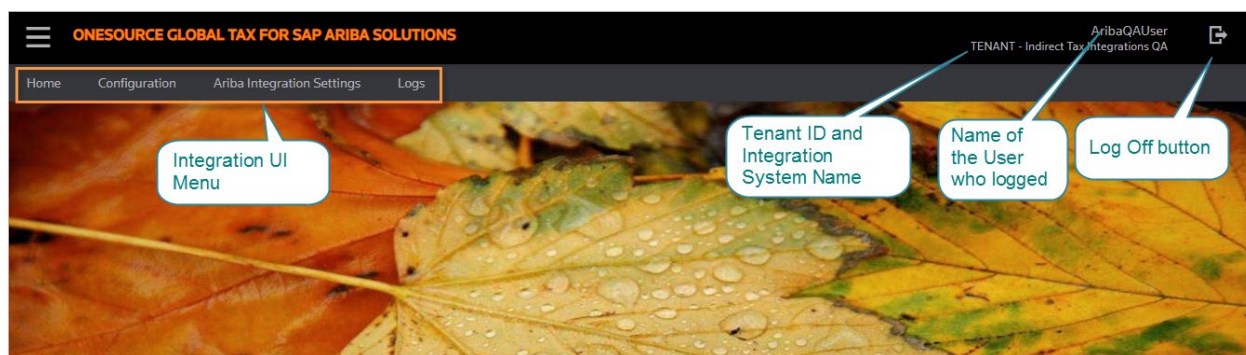
1. Open Internet web browser of your choice (supported versions are mentioned under topic [Integration User interface](#)).
2. Enter the Integration UI URL and click enter.
 - OP Users may get the URL from their System Admin/Network teams
 - Cloud users would get this from Thomson Reuters Professional Services
3. You will reach ONESOURCE Global Tax for SAP Ariba Solutions Integration UI log in page. Enter user name and password in the User Name and Password input fields on the log in box in the center of the page respectively and click on SIGN IN button.

66 | Configuration Set Up - ONESOURCE Global Tax

Prerequisites



Here are the important elements you would see on the home screen.



The application menu is same across all the UI Screens and can be navigated from one UI screen to another UI Screen. The access to UI screens is determined based on your Integration Roles that are assigned to Determination User Account. The companies for which you can configure or set up Integration depends on the companies that you have access to with your Determination User Account.

This section covers the UI Screen fields, navigation steps for configuring the ONESOURCE Global Tax for SAP Ariba Solutions (also mentioned as Integration in this document for easy reference)



The features and most of the steps would be same for both Cloud and OP Users.

ARIBA REALM SPECIFIC CONFIGURATIONS

Ariba Realm Specific Configurations UI Screen allows you to configure mapping between Ariba Realm and External Company Prepend.

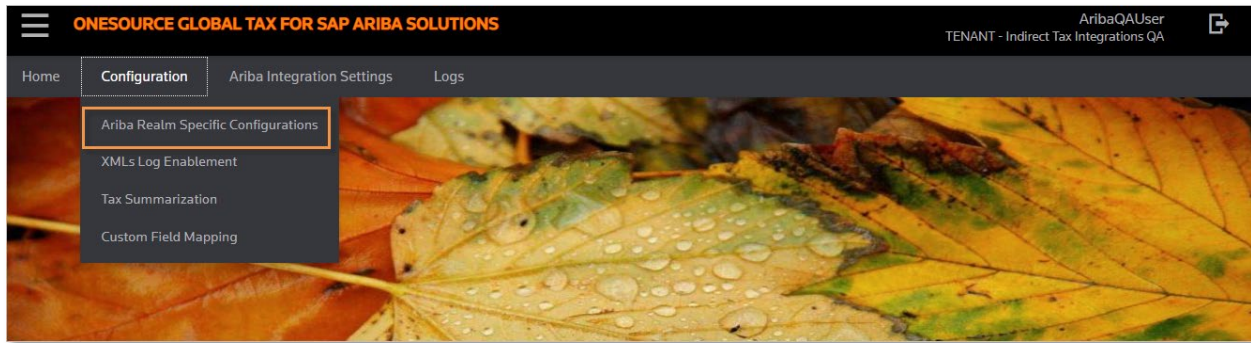
SAP Ariba Realm:

This is the unique realm ID of Customer's SAP Ariba Buying Solution.

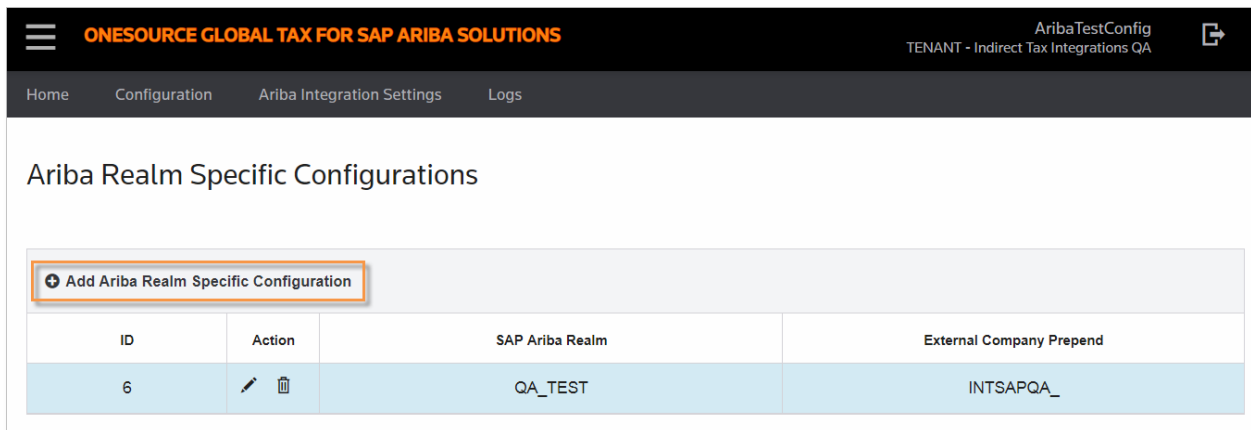
External Company Prepend (optional in On-Premise):

The prepend allows to make an Ariba business unit (SAP Company Code) unique across multiple systems that might share the same company code structures. ONESOURCE Determination requires that the External Company ID is unique for each business. For example, in the case of an acquisition where the newly acquired business has the same company code, e.g. 1000, but you have already used company code 1000 for a prior business in Determination, you can use the prepend to make the second business company codes unique. The prepend will be added in front of the Ariba provided business unit code. Multiple Ariba Realms can be associated with same Determination External Company Prepend.

The use of a prepend is required for Thomson Reuters managed Cloud deployments, the value will be provided by Thomson Reuters Professional Services. For on-premise deployments the value is optional, if not set the business unit from Ariba will be sent as is. (The realm still must be mapped, just leave the prepend blank).



1. Click on Add Ariba Realm Specific Configuration button to add new entries.



2. You will be navigated to Add Ariba Specific Realm Configuration screen. Enter Ariba realm and External Prepend values in the input fields as shown in the screenshot

Home Configuration Ariba Integration Settings Logs

Add Ariba Specific Realm Configuration

SAP Ariba Realm *

External Company Prepend *

This value is provided by Thomson Reuters during Customer onboarding

SAVE CANCEL



For Cloud users SAP Ariba Realm and External Company Prepend are required fields. But for on-premise the prepend is not required.

3. Click on SAVE button to save the configuration. You will be promoted with a pop up box to confirm the action.

Home Configuration Ariba Integration Settings Logs

Add Ariba Specific Realm Configuration

SAP Ariba Realm *

External Company Prepend *





This value is provided by Thomson Reuters during Customer onboarding

SAVE CANCEL

⚠ Are you sure you want to save the changes?

YES NO





4. Click on YES button if you would like to continue (otherwise click on NO button).
5. When you click on YES, configuration is saved and you would be navigated to Ariba Realm Specific Configurations main screen where display grid shows the new entry

Home Configuration Ariba Integration Settings Logs			
Ariba Realm Specific Configurations			
+ Add Ariba Realm Specific Configuration			
ID	Action	SAP Ariba Realm	External Company Prepend
7	 	prealm_demo	democompany
6	 	QA_TEST	INTSAPQA_

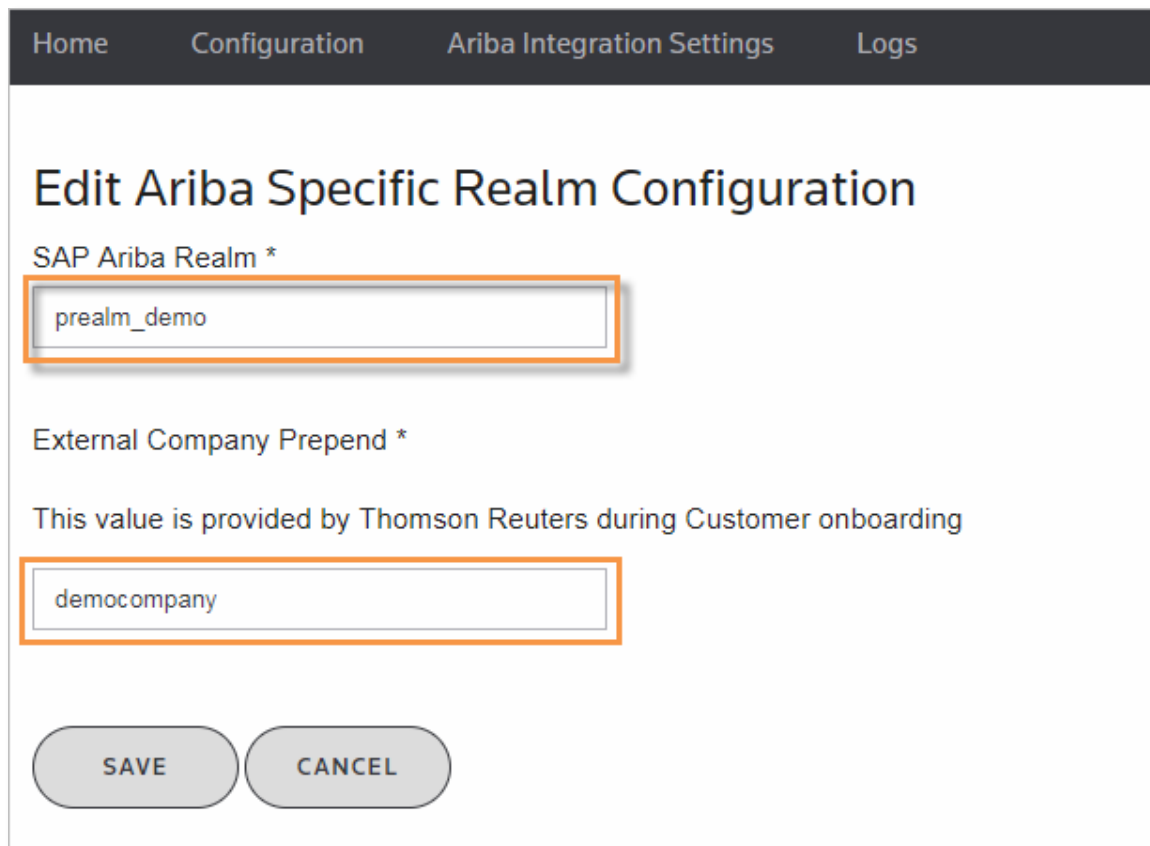
EDIT ARIBA REALM SPECIFIC CONFIGURATION

To make changes to an existing configuration, please follow the below steps.

1. On Home Screen, go to Configuration > Ariba Realm Specific Configuration
2. Click on Ariba Realm Specific Configurations option.
3. Select the Pencil icon on the row in the display grid for which you would like to make changes.

Home Configuration Ariba Integration Settings Logs			
Ariba Realm Specific Configurations			
+ Add Ariba Realm Specific Configuration			
ID	Action	SAP Ariba Realm	External Company Prepend
7	 	prealm_demo	democompany
6	 	QA_TEST	INTSAPQA_

4. You would be navigated to Edit Ariba Specific Realm Configuration screen. Ariba Realm and External Company Prepend fields are shown in the editable mode.



The screenshot shows a web application interface with a dark navigation bar at the top containing the links 'Home', 'Configuration', 'Ariba Integration Settings', and 'Logs'. The main content area is titled 'Edit Ariba Specific Realm Configuration'. It contains two required fields, both marked with an asterisk (*). The first field is 'SAP Ariba Realm', which has the value 'prealm_demo' entered. The second field is 'External Company Prepend', which has the value 'democompany' entered. Below these fields is a note: 'This value is provided by Thomson Reuters during Customer onboarding'. At the bottom of the form are two buttons: 'SAVE' and 'CANCEL'.

5. You can make changes to SAP Ariba Realm and External Company Prepend.



Please note that by changing SAP Ariba Realm, you will be replacing the existing value with the new one. And so, consider dependencies like Custom field mapping and XMLs log enablement if any.

6. Click on SAVE button to make changes saved to database. Pop up for prompt shows up and click on YES button to continue make changes (otherwise click on NO button).

Home Configuration Ariba Integration Settings Logs

Edit Ariba Specific Realm Configuration

SAP Ariba Realm *

prealm_demo1

External Company Prepend *

This value is provided by Thoms

democompany

SAVE CANCEL

⚠ Are you sure you want to save the changes?

YES NO

7. If you click on YES, changes are made and display grid on the Ariba Realm Specific Configuration main screen would show the updated values for selected entries.

Home Configuration Ariba Integration Settings Logs

Ariba Realm Specific Configurations

+ Add Ariba Realm Specific Configuration

ID	Action	SAP Ariba Realm	External Company Prepend
7		prealm_demo1	democompany
6		QA_TEST	INTSAPQA_

DELETE ARIBA REALM SPECIFIC CONFIGURATION







When you delete an existing Ariba Realm Specific Configuration, please consider associated dependencies like Custom field mapping, External Company Prepend, XMLs log enablement as deleting an existing realm would leads to deleting all the associated configurations.

To delete an existing Ariba Realm Specific Configuration, please follow the below steps:





1. On Home Screen, go to Configuration > Ariba Realm Specific Configuration.
2. Click on Ariba Realm Specific Configurations option.
3. Click on delete icon on the row in the display grid which you would like to delete.


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Ariba Realm Specific Configurations

Ariba Realm Specific Configurations			
+ Add Ariba Realm Specific Configuration			
ID	Action	SAP Ariba Realm	External Company Prepend
7	 	prealm_demo1	democompany
6	 	QA_TEST	INTSAPQA_



4. You would be prompted to confirm the decision through pop up window. To continue click on YES button and otherwise click on NO button.

Ariba Realm Specific Configurations			
+ Add Ariba Realm Specific Configuration			
ID	Action	SAP Ariba Realm	External Company Prepend
7	 	prealm_demo1	democompany
6	 	QA_TEST	INTSAPQA_

 Deleting Partition will also delete any dependent objects. Would you like to continue?

YES NO

5. Display grid on the Ariba Realm Specific Configuration would get updated (it would not show the deleted entry).

Ariba Realm Specific Configurations			
+ Add Ariba Realm Specific Configuration			
ID	Action	SAP Ariba Realm	External Company Prepend
6	 	QA_TEST	INTSAPQA_

TAX CODE QUALIFIER BASED Ariba TAX TYPE MAPPING

FUNCTIONALITY

ONESOURCE Determination uses Authority types (tax authorities which charge tax for a purchase or sales transaction) whereas SAP Ariba uses Tax Types to represent tax authorities. Thomson Reuters ONESOURCE provides Tax Type and Tax Type Map data files based on authority types which are imported in to SAP Ariba Buying Solution.

As part of the tax response, ONESOURCE Global Tax for SAP Ariba Solutions returns Determination Authority Types in the Ariba tax response, and SAP Ariba matches the authority types with the tax types on the Vendor's Invoice. But given the scope of SAP Ariba Buying Solutions (use of various channels that Vendor Invoices are submitted through), current tax type mapping and matching leaves some gaps leading to tax type mismatch and tax calculation failure errors.

The Tax Code qualifier based Ariba Tax Type mapping feature in ONESOURCE Global Tax for SAP Ariba Solutions allows flexible mapping of Ariba Tax Types to ONESOURCE Determination Authority types. This mapping allows the Ariba tax response to have tax types as defined and found in SAP Ariba Buying Solutions.

- Integration users will maintain required SAP Ariba Tax Types on ONESOURCE Determination Tax Code Qualifiers and activate the feature in the ONESOURCE Global Tax for SAP Ariba Solutions.
- During Transaction processing, Integration will map Ariba tax types from Tax Code Qualifiers to Determination Authority types so that the Ariba tax response from ONESOURCE contains tax types as expected in the SAP Ariba Buying Solution.

Ariba Tax types are of summarized i.e. not granular (example: "sales") whereas ONESOURCE Determination Authority Types are granular (State Sales/Use tax, City Sales/Use tax etc.). So, when the Tax Code Qualifier based Ariba Tax Type mapping feature is configured, Integration would summarize Determination result per unique Ariba Tax Type, making the Ariba tax response acceptable in SAP Ariba Buying solution with unique tax types.

- If you are using Ariba Integration and have the ONESOURCE Global Tax for SAP version 6.1 and above, then it is likely that Tax Code Qualifiers are already configured for the SAP Integration in your Determination instance. In that situation you will be adding the Ariba Tax type designation as part of your current TCQ configurations.
- If you do not have the ONESOURCE Global Tax for SAP then you will likely need to create the TCQ configuration a new and populating the results for the ERP_TAX_CODE field based solely on the Tax Type designation needed for the Ariba Integration.
- Please refer to the Determination documentation and help guides on Tax Code Qualifiers configuration if you need further assistance setting up the proper TCQ conditions and other steps.



Below example scenarios are based on assumption that TCQ configuration in Determination already maintained.

SAMPLE SCENARIOS

Customers can map Ariba Tax Types on Determination Tax Code Qualifiers as required to reduce tax type mismatch exceptions and tax code calculation errors in SAP Ariba Buying Solutions.

Here are some of the possible sample scenarios listed for illustration purpose.

For the examples shown in the table below the first 6 characters represent the two-digit tax code, a hyphen, followed by the three-digit account assignment key that is required for the ONESOURCE Global Tax for SAP. The following [ATT] encapsulated designator is the portion required for the Ariba Tax Type mapping. Together they represent the field that will be returned by Determination as the ERP_TAX_CODE field in the XML response from Determination. If you do not have the Integration for SAP (Global Next), then the first 7 characters will not be required.

Ariba Tax Type maintained on the Tax Code Qualifier	Determination Authority Type returned during tax calculation	Ariba Tax Response
USCA_S vendor charged to expense acct V1-NVV-[ATT]SalesTax[ATT]	Document Line1: State Sales/Use Tax City Sales/Use Tax	Summarized tax with Ariba Tax Type "SalesTax"
GB_ReverseCharge_I V4-ESE-[ATT]VATTax[ATT] GB_ReverseCharge_O V4-ESA-[ATT]VATTax[ATT]	Document Line1: VAT_1 VAT_2	Summarized tax with Ariba Tax Type "VATTax"
GB_ReverseCharge_I V4-ESE-[ATT]VAT_1[ATT] GB_ReverseCharge_O V4-ESA-[ATT]VAT_2[ATT]	Document Line1: VAT_1 VAT_2	No summarization, Input and Output tax blocks with Ariba tax types "VAT_1" on first tax block and "VAT_2" on second tax block
MX_B_DP_StandardRate V1-VST-[ATT]VATTax[ATT]	IVA_1	No summarization with Ariba tax type "VATTax"
CH_B_StandardVAT V1-VST-[ATT]VATTax[ATT]	MWST	No summarization with Ariba tax type "VATTax"
FR_B_StandardVAT V1-VST-[ATT]VATTax[ATT]	TVA_1	No summarization with Ariba tax type "VATTax"



The Determination TCQ based Ariba Tax Types allows flexible tax type mapping. Please ensure that you are maintaining Ariba tax types on TCQ ERP Tax Codes that are valid and expected on the Ariba tax response from Integration.

CONFIGURATION

MAINTAIN Ariba TAX TYPES USING ONESOURCE DETERMINATION TAX CODE QUALIFIER

The Tax Code in each applicable Tax Code Qualifier needs to be updated with the required and appropriate SAP Ariba Tax Type.



The Ariba Tax Type that is being maintained on Tax Code Qualifier should be a valid tax type in SAP Ariba Buying Solutions.

Example:

- You have “sales” as Tax Category on SAP Ariba Network and corresponding Tax type (TaxLineType in Tax Type mapping data) is “SalesTax” in SAP Ariba Buying Solution (P2X/Invoice Management).
- When an Invoice from Ariba Network is posted in to SAP Ariba Buying Solution, it picks up “SalesTax” as tax type (per your Tax Type Map data “sales” will be mapped to “SalesTax” in standard mapping).
- When ONESOURCE Determination Tax Code Qualifier is maintained with SAP Ariba Tax types, make sure to use the tax types defined in SAP Ariba P2X/Invoice Management solution.

Steps:

1. Update each applicable Tax Code Qualifier with a valid Ariba Tax Type (both input and output tax code qualifiers in a Determination Company).
2. The Ariba tax type segment format on the Tax Code Qualifier should be as below:
 - a) Enclosed within the tagged brackets. ex: [ATT]vat[ATT],
 - b) Added anywhere after the Tax Code and Account Key segment on the Tax Code field of TCQ configuration.
 - XX-YYY-[ATT]vat[ATT] or
 - XX-YYY-ZZZ-[ATT]vat[ATT] (ZZZ=custom segment if there is any)

76 Configuration Set Up - ONESOURCE Global Tax

Tax Code Qualifier Based Ariba Tax Type Mapping

ONESOURCE™ INDIRECT TAX DETERMINATION

Menu Help Ready Venu Kotagiri - SAP US INC 3000 Logout

Tax Code Qualifiers Search Edit Conditions

Selected Group: SAP US ERP TaxCodes Selected Tax Code Qualifier: USCA_S vendor charged to expense acct Submit Actions

Order: 10 Name: USCA_S vendor charged to expense acct
Start Date: 10/01/2012 31 End Date: 31

Action

Tax Code: V1-NVV-[ATT]sales[ATT] x

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If you have a custom segment after the Tax Account key, Ariba tax type segment can be added after the custom segment:

ONESOURCE™ INDIRECT TAX DETERMINATION

Menu Help Ready Venu Kotagiri - SAP US INC 3000 Logout

Tax Code Qualifiers Search Edit Conditions

Selected Group: SAP US ERP TaxCodes Selected Tax Code Qualifier: USCA_S vendor charged to expense acct Submit Actions

Order: 10 Name: USCA_S vendor charged to expense acct
Start Date: 10/01/2012 31 End Date: 31

Action

Tax Code: V1-NVV-ZZZ-[ATT]sales[ATT]

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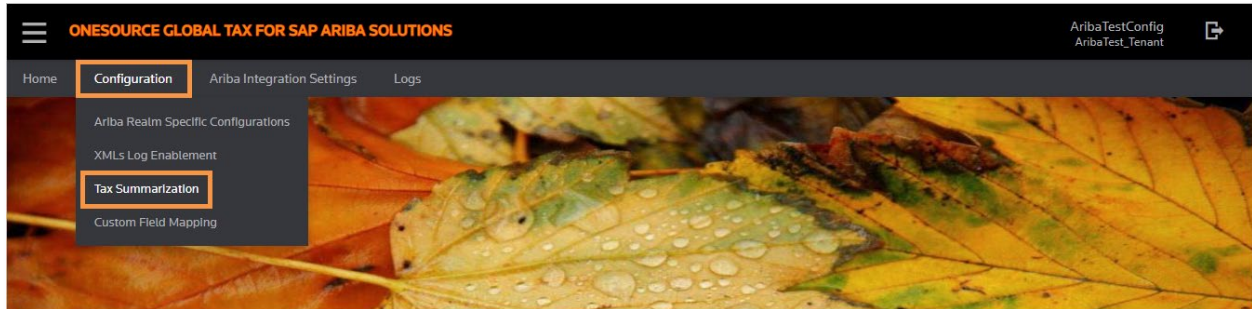
- Please make sure that all Tax Code Qualifiers currently present, are updated with the right combination of SAP Ariba Tax Type, Country that tax type belongs to, and Determination Company. Here is an illustration of what is valid what is not:

AP Ariba Tax Type	Country that SAP Ariba Tax Type belongs to	Example Determination Company that belongs to Country	Valid?
sales	US	3000	Yes
sales	GB	2000	No
vat	GB	2000	Yes
vat	DE	1000	Yes
vat	US	3000	No
vat or TVA	FR	2200	Yes
vat or MWST	CH	2700	Yes
gst, hst, qst, pst	CA	4000	Yes

ENABLE TAX CODE QUALIFIER BASED Ariba TAX TYPE MAPPING FEATURE

Please follow below steps to enable the Tax Code Qualifier based Ariba Tax Type mapping feature

1. Log in to Integration.
2. Once logged in, on Home screen navigate to Configuration > Tax Summarization



3. Go to Tax Type Mapping > Click on drop down menu > Select Tax Code Qualifier based Ariba Tax Type Mapping option.

Tax Summarization Configuration

US Tax Summarization Options

Default tax response is at Tax Authority level detail but optionally user can configure one of two summarization levels.

VAT Summarization Options

Default tax response has both Input Tax and Recovery Tax blocks but optionally user can configure summarized response option.

US Tax Summarization Options	VAT Summarization Options
Authority Detail ▼	Input and Output Authorities ▼

Tax Types Mapping

ONESOURCE Determination Tax Code Qualifier based Ariba Tax Type mapping takes precedence over the Tax Summarization Configuration

Determination Authority Type Based (Default) ▼

Tax Types Mapping

Determination Authority Type Based (Default)
Tax Code Qualifier based Ariba Tax Type Mapping
 Determination Authority Type Based (Default) ▼

and Ariba Tax Type mapping takes precedence over the Tax Summarization Configuration

4. You will see a pop up window prompting to maintain Ariba Tax Types on Determination Tax Code Qualifier.

Tax Summarization Configuration

US Tax Summarization Options
Default tax response is at Tax Authority level detail but optionally user can configure one of two summarization levels.

VAT Summarization Options
Default tax response has both Input Tax and Recovery Tax blocks but optionally user can configure summarized response option.

Please remember to configure desired and valid Ariba Tax Type(s) on Determination Tax Code Qualifier Ex: [ATT]sales[ATT]

OK

US Tax Summarization Options: Authority Detail ▼

VAT Summarization Options: Input and Output Authorities ▼

Tax Types Mapping
ONESOURCE Determination Tax Code Qualifier based Ariba Tax Type mapping takes precedence over the Tax Summarization Configuration

Tax Code Qualifier based Ariba Tax Type Mapping ▼

- Click OK button on pop up window to continue
- You will see system message that the configuration is saved indicating that feature is active now.

Home Configuration Ariba Integration Settings

✓ User selection has been saved successfully ✕

Tax Summarization Configuration

US Tax Summarization Options
Default tax response is at Tax Authority level detail but optionally user can configure one of two summarization levels.

VAT Summarization Options
Default tax response has both Input Tax and Recovery Tax blocks but optionally user can configure summarized response option.

US Tax Summarization Options	VAT Summarization Options
Authority Detail ▼	Input and Output Authorities ▼

Tax Types Mapping
ONESOURCE Determination Tax Code Qualifier based Ariba Tax Type mapping takes precedence over the Tax Summarization Configuration

Tax Code Qualifier based Ariba Tax Type Mapping ▼



Tax Code Qualifier based Ariba Tax Type mapping takes precedence over the Tax Summarization Configuration. If you have configured Tax Summarization option (ex: US Four Buckets Summarization), when Tax Code Qualifier based Ariba Tax Type mapping is configured, Ariba tax response would be according to Tax Code Qualifier based Ariba Tax Type mapping feature.

TRANSACTION LOGGING

ONESOURCE Global Tax for SAP Ariba Solutions enables Integration users to configure logging at desired levels and access the transactions logs via the Integration UI

To get transactions logged, users will need to enable the XMLs log on user interface. Integration allows XMLs logging at SAP Ariba Realm, Determination Company and Document Type (SAP Ariba PR and IR) levels. Users can enable logs at any desired level. Once logging is enabled, users can search, view and download transactions logs from Logs functionality on the UI.

All tax transaction requests from SAP Ariba will be logged that meet the below criteria:

1. SAP Ariba Tax calculation request has valid credentials.
2. SAP Ariba Tax calculation request has valid Realm ID, Company Code / Organization.
3. XMLs Logging is enabled for the Partition (SAP Ariba Realm ID) and/or Company Code / Organization.
4. SAP Ariba Tax calculation request is not null.

XMLS LOG ENABLEMENT

This feature allows you to enable the XMLs log settings. When XMLs are enabled, ONESOURCE Global Tax for SAP Ariba Solutions will store transaction logs. Transaction logs are useful for troubleshooting and verification purposes.

Integration offers three levels at which the logs can be enabled:

1. SAP Ariba Realm
2. Determination Company
3. Document Type



This is an optional configuration. By default, XMLs are not enabled. If you would like to see transaction logs in xml format, configure XMLs log enablement at desired level

The transaction logs available under Logs UI screen are dependent on these settings. XMLs can be enabled at any desired level.

Here are some possible options you may find:

- Enabling XMLs log at SAP Ariba Realm level:
When XMLs are enabled at SAP Ariba Realm, and Determination Company and Document Type are not selected, XML logs will be enabled for all Determination Companies under that SAP Ariba Realm and two document types (Purchase Requisition and Invoice Reconciliation).



SAP Ariba Realm is an optional selection. You can skip selecting SAP Ariba Realm but choose to enable XML at Determination Company and Document Type level. If you do not select any SAP Ariba Realms, XML Logs will be enabled for all your valid SAP Ariba Realms in the Integration.

- Enabling XMLs log at Determination Company level:
When one or more entries from Determination Company list are selected, logs will be enabled for those Determination companies under all SAP Ariba Realms Customer may have.

- Enabling XMLs log at Document Type level:
When only Document type(s) are selected, XMLs log would be enabled for Determination Companies and SAP Ariba Realm(s) Customer have on Determination (across SAP Ariba Realms(s) and Determination Companies).
- Enabling XMLs log at SAP Ariba Realm/Determination Company level:
XMLs logs will be enabled for selected SAP Ariba Realm and Determination Company combination.
- Enabling XMLs log at SAP Ariba Realm/Determination Company/Document Type combination level:
This setting would enable XMLs at selected SAP Ariba Realm, Determination Company and Document Type levels. This is most optimized level where logs will be enabled and transaction logs will be generated at levels which are truly required.

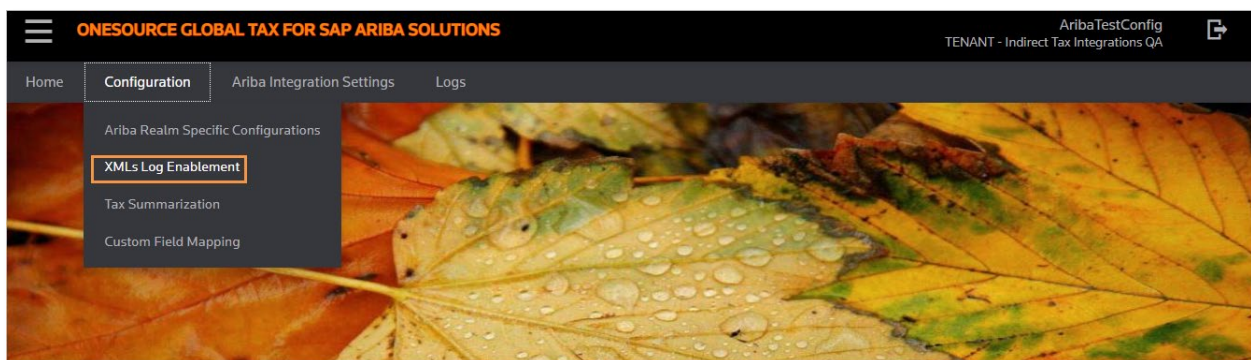


Please make sure that External ID is maintained for Determination Company in ONESOURCE Determination system. Even one of the Determination Companies under a Tenant ID without External ID will lead to error “Cannot save these settings. Please review.” while saving XMLs log enablement (Enable XMLs log Add/Edit configuration).

CONFIGURATION

To enable XMLs log, please follow below steps:

1. On Home screen, go Configuration > XMLs Log Enablement.
2. Click on XMLs Log Enablement option.



3. You will be navigated to XMLs Log Enablement screen.

This UI screen will show Enable XMLs log add button and a display grid. Enable XMLs log button enable user to add new logging. And the display grid will show log settings when added.

By default, XML logs will not be enabled. You may not see any existing configuration when you are setting up Integration for the first time.

Home Configuration Ariba Integration Settings Logs

XMLs Log Enablement

Enable XMLs Log

ID	Action	SAP Ariba Realm	Determination Company	Document Type
----	--------	-----------------	-----------------------	---------------

4. Click on Enable XMLs Log button to enable XMLs.

XMLs Log Enablement

SAP Ariba Realm

Select SAP Ariba Realms

Determination Company Name

Select Companies

Document Type

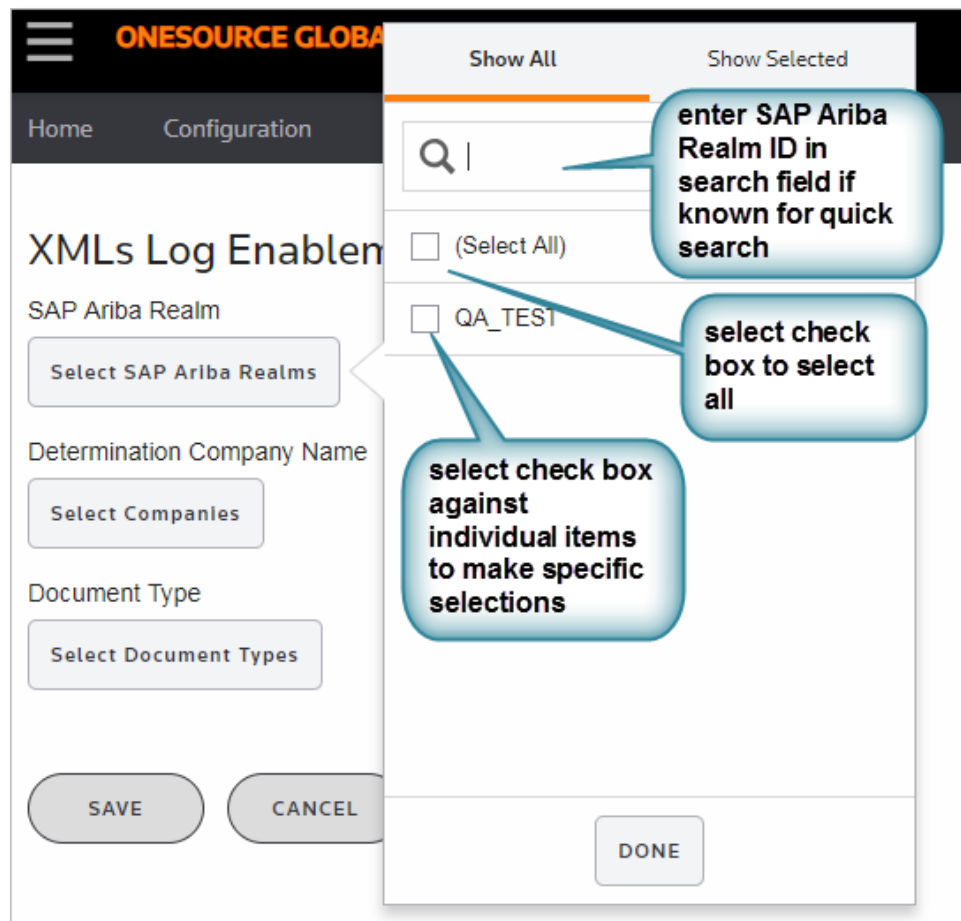
Select Document Types

SAVE CANCEL

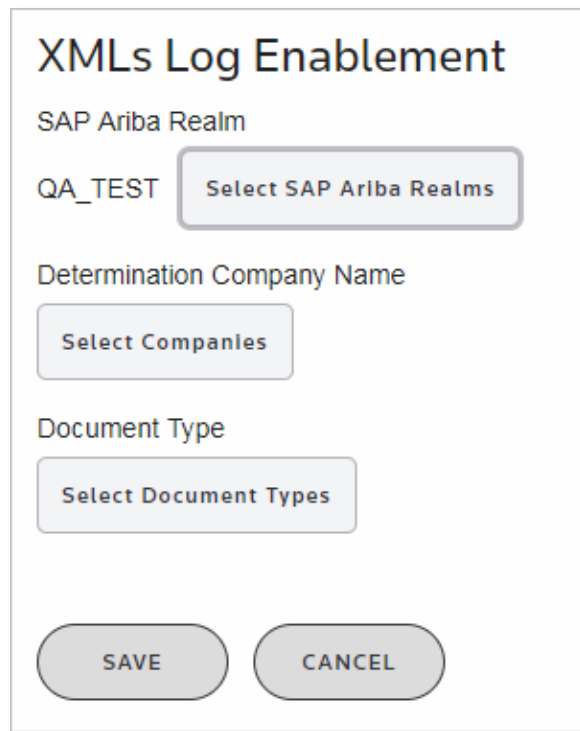


SAP Ariba Realm is an optional selection. You can skip selecting SAP Ariba Realm but choose to enable XML at Determination Company and Document Type level. If you do not select any SAP Ariba Realms, XML Logs will be enabled for all your valid SAP Ariba Realms in the Integration.

5. On this UI screen make selection at which you would like to enable XMLs.
 - a. Click on SAP Ariba Realm button (Clickable) to select the SAP Ariba Realm for which you would like enable XML Logs. You will see a window opening and showing list of SAP Ariba Realms.



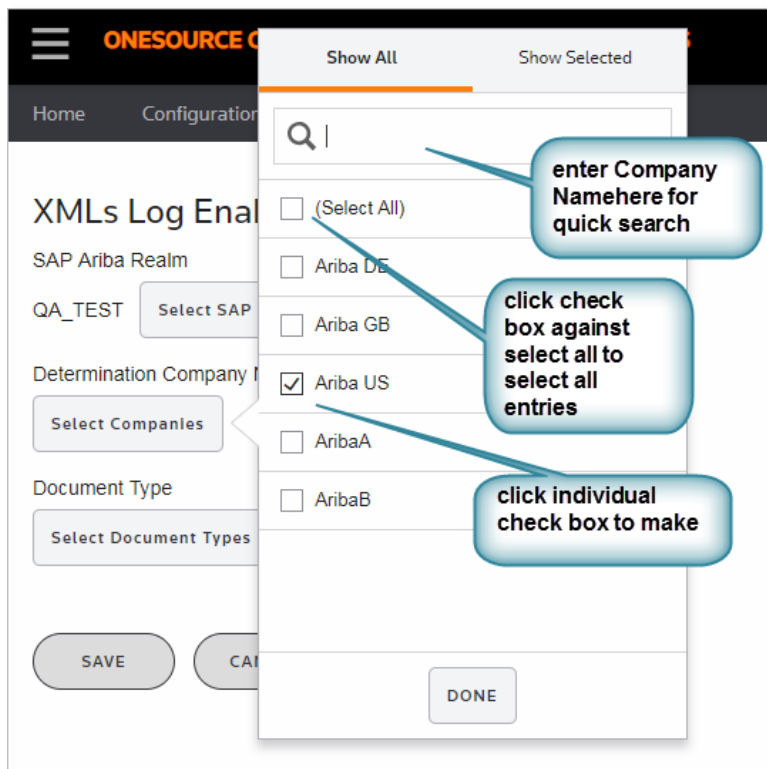
- b. Select SAP Ariba Realm ID from the list as shown in screenshot based on your requirement. (The values are pre-populated based on User's Tenant ID).
- c. Click on DONE button once you are done with selecting SAP Ariba Realm(s). The selection window disappears and the selections made are shown on XML Log Enablement main screen under SAP Ariba Realm field.



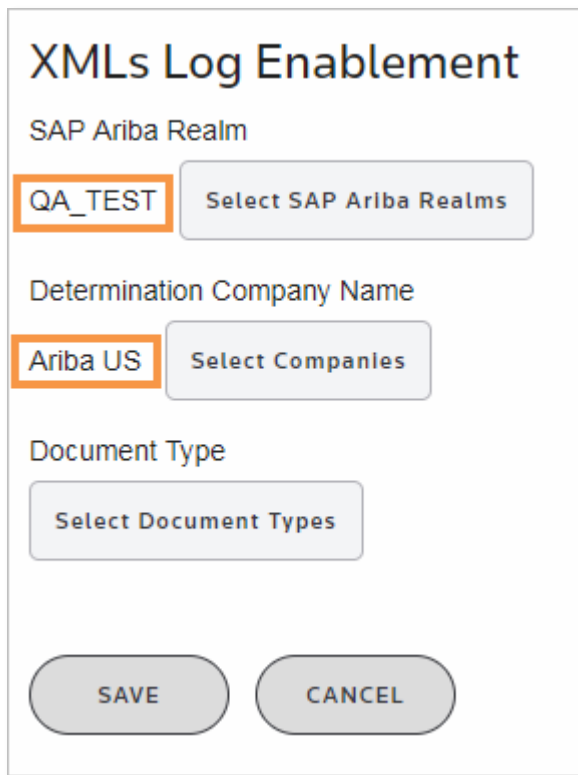
The screenshot shows a configuration window titled "XMLs Log Enablement". It contains the following elements:

- SAP Ariba Realm:** A text field containing "QA_TEST" and a button labeled "Select SAP Ariba Realms".
- Determination Company Name:** A button labeled "Select Companies".
- Document Type:** A button labeled "Select Document Types".
- Buttons:** "SAVE" and "CANCEL" buttons at the bottom.

- d. Select Determination Companies by clicking on SELECT COMPANIES button. UI would present you a pop up window to make selections as shown in the below screenshot.



- e. To find companies:
 - search by name in the Search box or,
 - click on Show all (to see the complete list) or,
 - click on Show selected if you have already made some selections.
- f. Select one or more companies from the list (if list is big, scroll bar helps to find the desired selection) and click on DONE button. Selected company/companies' will be shown on UI under Determination Company Name UI field.



The image shows a configuration window titled "XMLs Log Enablement". It contains three sections: "SAP Ariba Realm" with a text field containing "QA_TEST" and a button "Select SAP Ariba Realms"; "Determination Company Name" with a text field containing "Ariba US" and a button "Select Companies"; and "Document Type" with a button "Select Document Types". At the bottom are "SAVE" and "CANCEL" buttons. The text fields "QA_TEST" and "Ariba US" are highlighted with orange borders.

XMLs Log Enablement

SAP Ariba Realm

QA_TEST Select SAP Ariba Realms

Determination Company Name

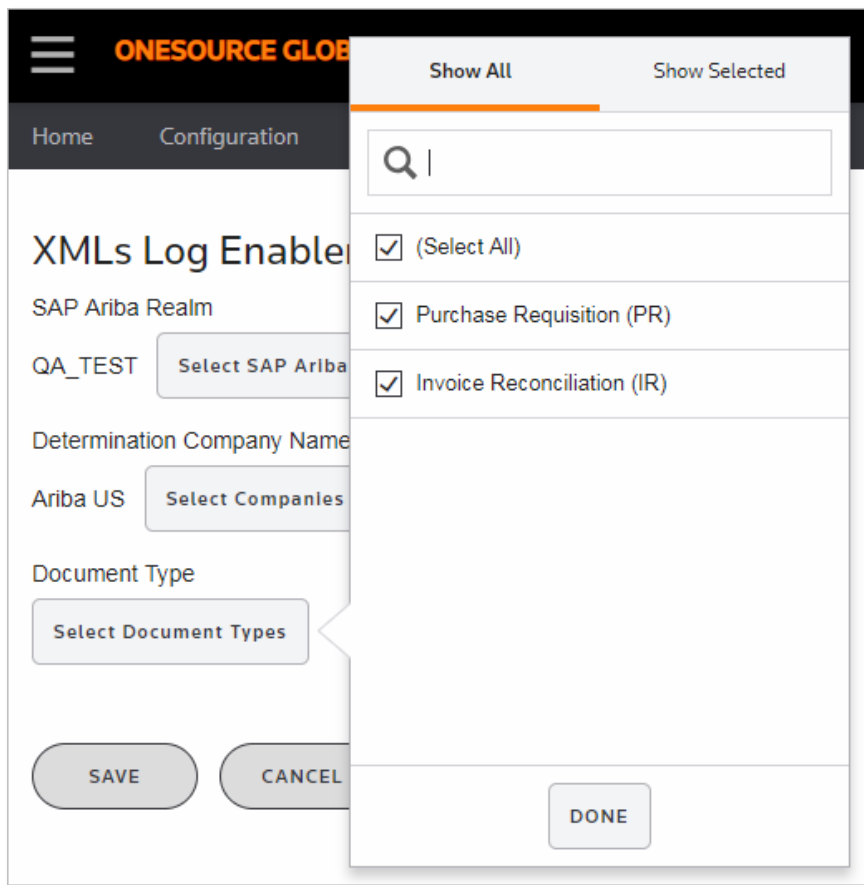
Ariba US Select Companies

Document Type

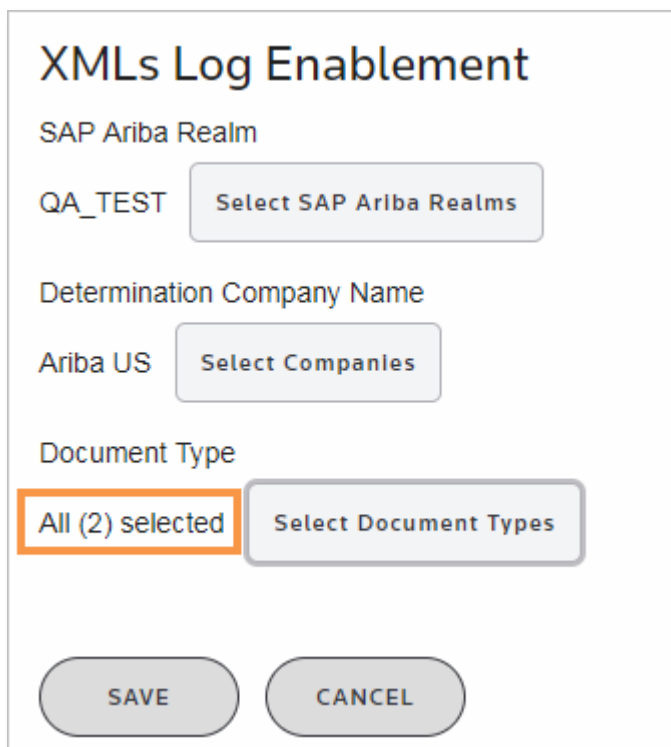
Select Document Types

SAVE CANCEL

- g. Click on SELECT DOCUMENT TYPEs button to select SAP Ariba document type(s).
- h. Integration UI would present a pop up showing two document types (PR and IR).

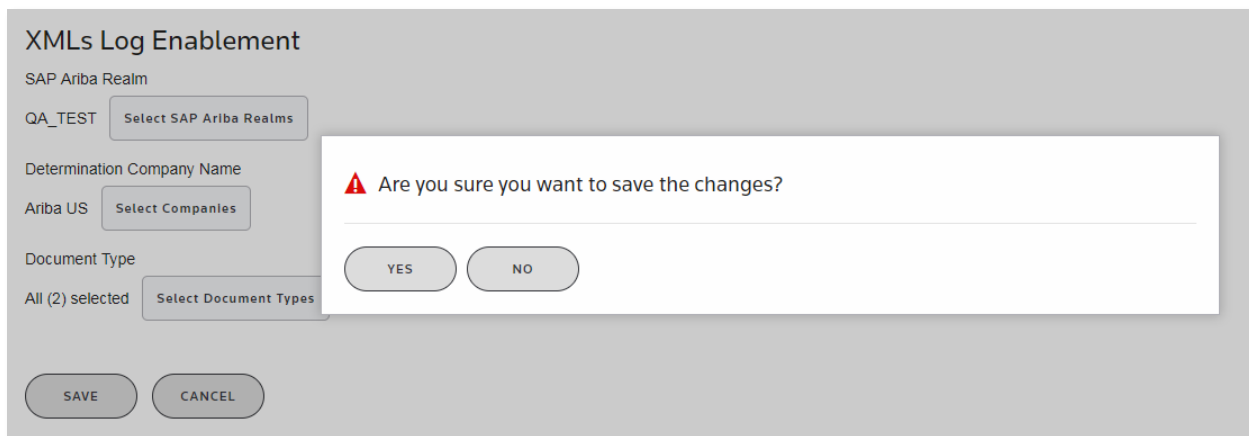


- i. Select desired document type like how SAP Ariba Realm and Determination Company entries are selected and click on DONE button when you are done with making selections based your requirement.
- j. Your selection will be shown under Document Type UI field label.



The screenshot shows the 'XMLs Log Enablement' configuration screen. It has a title bar at the top. Below the title, there are three sections: 'SAP Ariba Realm' with a text field containing 'QA_TEST' and a 'Select SAP Ariba Realms' button; 'Determination Company Name' with a text field containing 'Ariba US' and a 'Select Companies' button; and 'Document Type' with a text field containing 'All (2) selected' (highlighted with an orange border) and a 'Select Document Types' button. At the bottom, there are two buttons: 'SAVE' and 'CANCEL'.

6. Click on SAVE button to save the changes and continue.
7. A confirmation message is promoted and if you would like to continue, click on YES button. (otherwise click on NO and you will be back on XMLs log enablement screen where you can make changes and continue or cancel the action to go to main XMLs Log enablement UI screen)





The screenshot shows the 'XMLs Log Enablement' configuration screen with a confirmation dialog box overlaid. The dialog box has a red warning icon and the text 'Are you sure you want to save the changes?'. Below the text are two buttons: 'YES' and 'NO'. The background screen is dimmed, showing the same configuration fields as the previous screenshot.

8. You will be navigated to XMLs Log Enablement main UI screen where you can see the display grid reflecting the changes made.

XMLs Log Enablement







Enable XMLs Log

ID	Action	SAP Ariba Realm	Determination Company	Document Type
4	 	QA_TEST	2 Companies	2 Document Types

9. Display grid shows a clickable button with text showing number of entries for columns SAP Ariba Realm, Determination Company and Document Type when there is more than one entry for that selection parameter.

XMLs Log Enablement

Enable XMLs Log

ID	Action	SAP Ariba Realm	Determination Company	Document Type
6	 	QA_TEST	Ariba US	2 Document Types
9	 	QA_TEST	2 Companies	2 Document Types
3	 	QA_TEST	4 Companies	2 Document Types







no clickable button for single entry

clickable button for multiple selections

10. Click on any button showing number of entries to see the details of selections for that parameter.

XMLs Log Enablement

Enable XMLs Log

ID	Action	SAP Ariba Realm	Determination Company	Document Type
6	 	QA_TEST	Ariba US	2 Document Types
9	 	QA_TEST	2 Companies	2 Document Types
3	 	QA_TEST	4 Companies	2 Document Types

Document Type List:

Purchase Requisition (PR)

Invoice Reconciliation (IR)







selected values

click to close

click to close or use X mark on top right of the pop up

XMLs Log Enablement

Enable XMLs Log

ID	Action	SAP Ariba Realm	Determination Company	Document Type
6	 	QA_TEST	Ariba US	2 Document Types
9	 	QA_TEST	2 Companies	2 Document Types
3	 	QA_TEST	4 Companies	2 Document Types

Determination Company List:

SAP QA GB 2000 ECC-Ariba

SAP QA CA 4000 ECC-Ariba

SAP QA DE 1000 ECC-Ariba

SAP QA US 3000 ECC-ARIBA

OK



Note on SAVING XMLS Log Enablement without making any selection.

If no selections are made on XML Log Enablement button but you click on Save button, a pop-up window appears to prompt you that you have not made any selection and would like to continue or just leave the page without making any selections.

The screenshot shows the 'XMLs Log Enablement' form. On the left, there are three selection buttons: 'Select SAP Ariba Realms', 'Select Companies', and 'Select Document Types'. At the bottom are 'SAVE' and 'CANCEL' buttons. A white pop-up window with a red warning triangle icon is displayed in the center. The text inside the pop-up reads: 'You have not made any specific selection, XMLs Logs will be enabled for all parameters and for all available options. Do you want to continue?'. Below the text are two buttons: 'YES' and 'NO'.

If no selection made but you have clicked on SAVE button, XMLs will be enabled for all your configured SAP Ariba Realms, Determination Companies and two Document Types.

Display Grid showing SAP Ariba Realm and all Determination Companies and two Document Types selected automatically when you just SAVE without making any specific selections.

XMLs Log Enablement

Enable XMLs Log

ID	Action	SAP Ariba Realm	Determination Company	Document Type
3		QA_TEST	16 Companies	2 Document Types
10		QA_TEST	5 Companies	2 Document Types
4		QA_TEST	2 Companies	2 Document Types

If you do not want to enable XMLs at any level, click on NO button and you will stay on the XML Log Enablement page.

EDIT XMLS LOG ENABLEMENT

To edit the XMLs logging settings, please follow below steps:

1. Click on edit (pencil icon) on the row in the display grid for which XMLs enablement logging you would like to make change.

XMLs Log Enablement				
<div> <div>Enable XMLs Log</div> </div>				
ID	Action	SAP Ariba Realm	Determination Company	Document Type
4	<div> <div></div> <div></div> </div>	QA_TEST	Ariba US	2 Document Types

- Integration would navigate you to the Edit XML Log Enablement screen
- Please make changes as desired. (you may refer [steps 5 a to f under Configure XMLs Enablement](#)) to make changes to SAP Ariba Realm, Determination Company Name and Document Type selections.

ONESOURCE GLOBAL TAX

Home Configuration Ariba

Edit XMLs Log Enablement

SAP Ariba Realm
QA_TEST Select SAP Ariba Realm

Determination Company Name
Ariba US Select Companies

Document Type
All (2) selected Select Document Type

SAVE CANCEL

Dropdown Menu:

- ☐ (Select All)
- ☐ Ariba DE
- ☐ Ariba GB
- ☒ Ariba US
- ☒ AribaA
- ☐ AribaB

DONE

Edit XMLs Log Enablement

SAP Ariba Realm

QA_TEST Select SAP Ariba Realms

Determination Company Name

2 selected Select Companies

Document Type

All (2) selected Select Document Types

SAVE CANCEL

4. Once changes are made, click on SAVE button on Edit XMLs Log Enablement screen. You would be prompted for confirmation.

Edit XMLs Log Enablement

SAP Ariba Realm

QA_TEST Select SAP Ariba Realms

Determination Company Name

2 selected Select Companies

Document Type

All (2) selected Select Document Types

SAVE CANCEL

⚠ Are you sure you want to save the changes?

YES NO

5. Click on YES button to confirm the action. Integration saves the changes and you would be navigated to XMLs Log Enablement main UI screen where display grid shows (click on drop-down list) the updates made.

XMLs Log Enablement				
Enable XMLs Log				
ID	Action	SAP Ariba Realm	Determination Company	Document Type
4	✎ 🗑	QA_TEST	2 Companies	2 Document Types



DELETE XMLS LOG ENABLEMENT

To delete XMLs logging settings, please follow the below steps.

1. Click on the trash can icon in the display grid Action column for the row you would like to delete.

XMLs Log Enablement





Enable XMLs Log

ID	Action	SAP Ariba Realm	Determination Company	Document Type
4	 	QA_TEST	2 Companies	2 Document Types

2. You will be prompted to confirm the decision.

XMLs Log Enablement

Enable XMLs Log

ID	Action	SAP Ariba Realm	Determination Company	Document Type
4	 	QA_TEST	2 Companies	2 Document Types
3	 	QA_TEST	2 Companies	2 Document Types

Are you sure you want to delete this record?

YES NO

3. Click on YES button to confirm the delete action. You can see a system message as shown in below screenshot about the status of the action.





ONESOURCE GLOBAL TAX FOR SAP ARIBA SOLUTIONS

Deleted successfully



Home Configuration Ariba Integration Settings Logs

XMLs Log Enablement

Enable XMLs Log

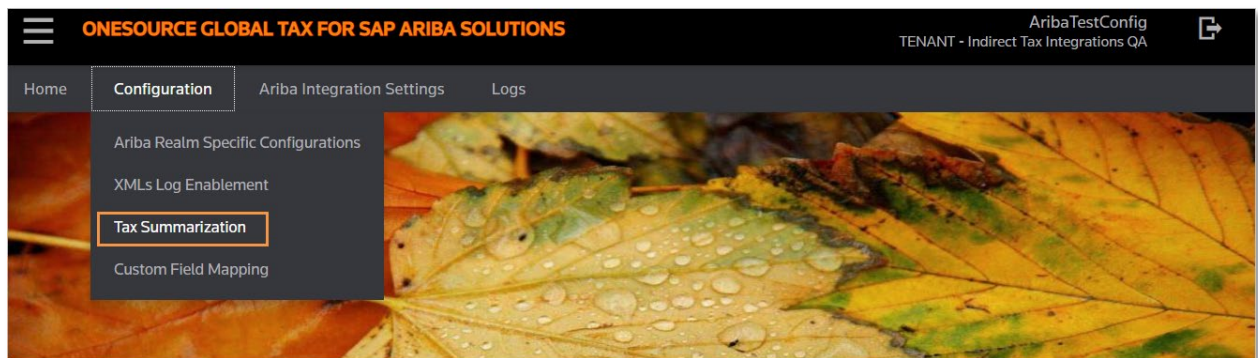
ID	Action	SAP Ariba Realm	Determination Company	Document Type
4	 	QA_TEST	2 Companies	2 Document Types
3	 	QA_TEST	4 Companies	2 Document Types

4. The display grid reflects the change made, deleting the selected entry.

XMLs Log Enablement				
Enable XMLs Log				
ID	Action	SAP Ariba Realm	Determination Company	Document Type
3	 	QA_TEST	4 Companies	2 Document Types

TAX SUMMARIZATION

Tax Summarization feature is an optional configuration available on Integration User interface.



The Tax Summarization (Configuration > Tax Summarization) screen contain two sections.

1. Tax Summarization Configuration
2. Tax Types Mapping

ONESOURCE GLOBAL TAX FOR SAP ARIBA SOLUTIONS

QAE Config
TENANT - Indirect Tax Integrations QAE

Home Configuration Ariba Integration Settings Logs

Tax Summarization Configuration

US Tax Summarization Options
Default tax response is at Tax Authority level detail but optionally user can configure one of two summarization levels.

VAT Summarization Options
Default tax response has both Input Tax and Recovery Tax blocks but optionally user can configure summarized response option.

US Tax Summarization Options	VAT Summarization Options
Authority Detail ▼	Input and Output Authorities ▼

US Tax Summarization Options

VAT Summarization Options

Tax Types Mapping

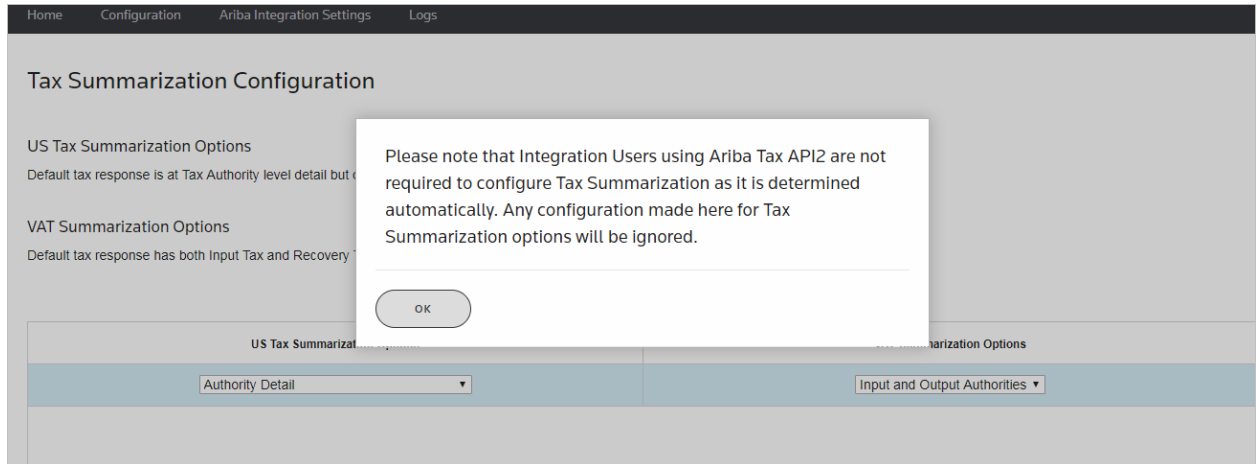
ONESOURCE Determination Tax Code Qualifier based Ariba Tax Type mapping takes precedence over the Tax Summarization Configuration

Tax Code Qualifier based Ariba Tax Type Mapping ▼

The section **Tax Summarization Configuration** section contain US Tax Summarization Options and VAT Summarization Options which is NOT required for Integration version 1.0.3.x.

Even if any configuration is made on this section by mistake, it will be ignored by Integration software with version 1.0.3.x.

Integration UI also shows a pop window as shown below to guide 1.0.3.x users that this feature configuration is not at all required.



The other section **Tax Types Mapping** is also an optional configuration but this can be used with Integration version 1.0.3.x

To know more about Tax Types Mapping feature please check [Tax Code Qualifier Based Ariba Tax Type Mapping](#) section in this document. And check [Configuration](#) for enabling this feature.



Tax Summarization optional configuration available on Integration UI allows users to set up the granularity of tax information sent to SAP Ariba system.

ONESOURCE Global Tax for SAP Ariba Solutions 1.0.3.x which supports SAP Ariba enhanced Tax API by default offers tax summarization and hence 1.0.3.x users need NOT to configure this functionality.

CUSTOM FIELD MAPPING

Ariba allows Custom fields to cover functionality not available through out of the box standard fields. ONESOURCE Determination also enables Customers to use custom fields known as Determination User Elements for tax calculation and audit purposes.

The Custom Field Mapping functionality on Ariba Integration allows you to map Ariba Custom fields to ONESOURCE Determination User Elements.

ONESOURCE allows Determination User Elements from 1 to 40 only. Ariba Integration has validation in place to check this reservation.



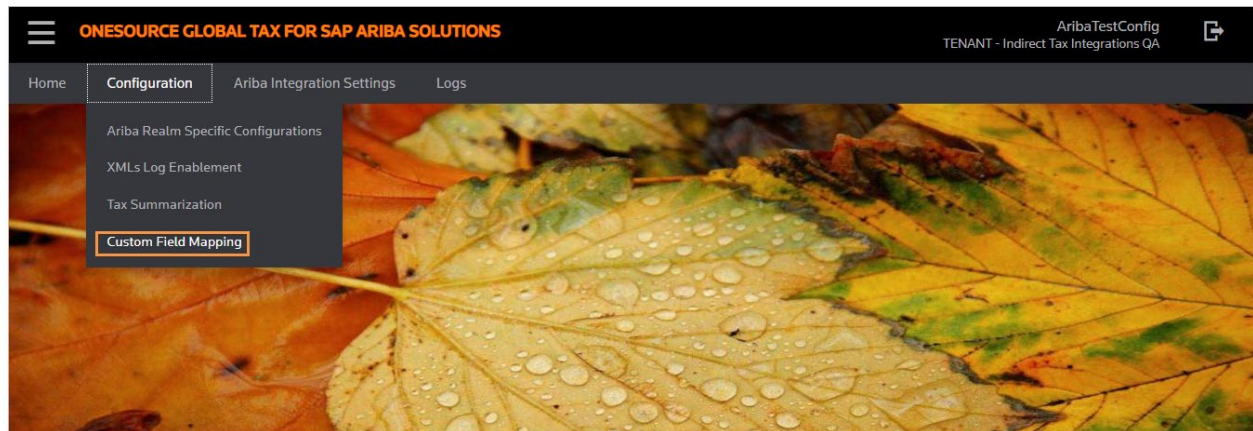
Customers need to work with SAP Ariba Customer Support to have Custom fields created in their SAP Ariba Buying Solution.

To have Custom fields work on ONESOURCE tax calculation and or audit, it should be first defined in Ariba Buying Solution and those custom fields should be mapped to Determination User Elements.

CREATE CUSTOM FIELD MAPPING

To configure the Custom Field Mapping, please follow below navigation steps:

1. Log in to ONESOURCE Global Tax for SAP Ariba Solutions.
2. On Home screen, go to Configuration > Custom Field Mapping



3. Click on Custom Field Mapping option. You will be navigated to Custom Field Mapping screen where you would see Add Custom Fields button and a “Display Grid”. Display Grid will show Custom Field Mappings that are configured through this UI page.
4. Click on Add Custom Fields button located on top of the display grid to create mapping.

Custom Field Mapping

This Custom Field Mapping page is to view and configure Custom Field Mappings for your SAP Ariba Realm.

If you do not see your Custom Field Mapping on this page, select the “Add Custom Fields” link to create a new Custom Field Mapping.

[Add Custom Fields](#)

ID	Action	SAP Ariba Realm	Document Level	Custom Type	Ariba Field Name	Determination User Element ID
11		QA_TEST	LINE	CUSTOM_STRING	Testing	1
17		QA_TEST	LINE	CUSTOM_INTEGER	Integer	4
15		QA_TEST	LINE	CUSTOM_DATE	Date	3
10		QA_TEST	INVOICE	CUSTOM_DATE	Date	3

5. You will be navigated to Add Custom Mapping screen where you can create mapping.

The screenshot shows a web application interface for 'ONESOURCE GLOBAL TAX FOR SAP ARIBA SOLUTIONS'. The top navigation bar includes 'Home', 'Configuration', 'Ariba Integration Settings', and 'Logs'. The main content area is titled 'Add Custom Mapping' and contains the following fields:

- SAP Ariba Realm ***: A dropdown menu with a circular refresh icon.
- Document Level ***: A dropdown menu.
- Custom Type ***: A dropdown menu.
- Ariba Field Name ***: A text input field.
- Determination User Element ID ***: A text input field.

At the bottom of the form are two buttons: 'SAVE' and 'CANCEL'.

This screen has below fields to configure the mapping.

a. SAP Ariba Realm:

- a) This is a required field. The input type is drop-down list where you can select the values from the pre-populated list. The list is pre-populated based on SAP Ariba Realms set up under User'

It is required to create SAP Ariba Realms first under [SAP Ariba Realm Specific Configurations section](#) if it is not done already.

b. Document Level:

- a) This is also a required field and input type is drop-down list
- b) Integration has two pre-populate values that are **Invoice** and **Line**
- c) The Invoice level also means Document level or Header level where a field at this level applicable to the whole document.

c. Custom Type:

- a) This is a required entry presented as drop-down list.
- b) The available values are:
 - 1. CUSTOM_BOOLEAN
 - 2. CUSTOM_DATE
 - 3. CUSTOM_INTEGER
 - 4. CUSTOM_STRING
- c) Select the value here, based on the type of Ariba Custom field.

d. Ariba Field Name:

- a) This is a required text field. Enter the name of the Ariba Field here, that is defined and maintained in the SAP Ariba Buying Solution.

Integration cannot validate the Ariba Custom field that is maintained in the SAP Ariba Buying Solution so please make sure to enter correct name of the Ariba field here.

e. Determination User Element ID:

- a. This is a required text field. Please choose Determination User Element IDs from 1 to 40 only.
- b. Integration checks the range (1-40) and shows error if the value is not in between the range.

- 6. Select SAP Ariba Realm, Document Level, Custom Type and enter Ariba Field Name and Determination User Element ID which you would like map.

The screenshot shows the 'Add Custom Mapping' form within the 'ARIBA Integration Settings' section. The form includes the following fields:

- SAP Ariba Realm ***: A dropdown menu with 'QA_TEST' selected.
- Document Level ***: A dropdown menu with 'INVOICE' selected.
- Custom Type ***: A dropdown menu with 'CUSTOM_STRING' selected.
- Ariba Field Name ***: A text input field containing 'CostCenter'.
- Determination User Element ID ***: A text input field containing '12'.

At the bottom of the form are two buttons: 'SAVE' and 'CANCEL'.

- Click on SAVE button to create the mapping. You would be prompted to confirm the changes.

This screenshot shows the same 'Add Custom Mapping' form as the previous one, but with a confirmation dialog box overlaid in the center. The dialog box contains the following text and buttons:

Are you sure you want to save the changes?

YES NO

The background form is dimmed, showing the same fields as before: SAP Ariba Realm (QA_TEST), Document Level (INVOICE), Custom Type (CUSTOM_STRING), Ariba Field Name (CostCenter), and Determination User Element ID (12). The SAVE and CANCEL buttons are still visible at the bottom.

- Click on YES to continue. When clicked on YES button, you would be navigated back to Custom Field Mapping main UI Screen where you can see the display grid showing the mapping that has been created.



















Custom Field Mapping

Custom Field Mapping

This Custom Field Mapping page is to view and configure Custom Field Mappings for your SAP Ariba Realm.

If you do not see your Custom Field Mapping on this page, select the "Add Custom Fields" link to create a new Custom Field Mapping.

Add Custom Fields

ID	Action	SAP Ariba Realm	Document Level	Custom Type	Ariba Field Name	Determination User Element ID
11	 	QA_TEST	LINE	CUSTOM_STRING	Testing	1
17	 	QA_TEST	LINE	CUSTOM_INTEGER	Integer	4
15	 	QA_TEST	LINE	CUSTOM_DATE	Date	3
10	 	QA_TEST	INVOICE	CUSTOM_DATE	Date	3
12	 	QA_TEST	LINE	CUSTOM_BOOLEAN	Boolean	2
13	 	QA_TEST	INVOICE	CUSTOM_BOOLEAN	Boolean	2
14	 	QA_TEST	INVOICE	CUSTOM_STRING	Testing	1
16	 	QA_TEST	INVOICE	CUSTOM_INTEGER	Integer	4
19	 	QA_TEST	INVOICE	CUSTOM_STRING	CostCenter	12

Repeat steps from 1-8 to create more mappings as desired.



If clicked on NO button in step 8, pop up would disappear and you would be on Add Custom Field Mapping screen.

1. Here you may make changes and click on SAVE button to create the mapping. OR
2. To cancel the created mapping, click on CANCEL button so that you would be navigated back to Custom Field Mapping main UI Screen. Display grid would not be updated as user's action is cancelled.





















Validation rule does not allow mapping the same Determination User Element ID to any other Ariba Field at the same Document level and Custom Type under the same SAP Ariba Realm

EDIT CUSTOM FIELD MAPPING

To edit an existing mapping follow below steps:

1. Click on the Edit (pencil) icon on the row in the display grid for which you would like to make changes.

Add Custom Fields						
ID	Action	SAP Ariba Realm	Document Level	Custom Type	Ariba Field Name	Determination User Element ID
11	 	QA_TEST	LINE	CUSTOM_STRING	Testing	1
17	 	QA_TEST	LINE	CUSTOM_INTEGER	Integer	4
15	 	QA_TEST	LINE	CUSTOM_DATE	Date	3
10	 	QA_TEST	INVOICE	CUSTOM_DATE	Date	3
12	 	QA_TEST	LINE	CUSTOM_BOOLEAN	Boolean	2
13	 	QA_TEST	INVOICE	CUSTOM_BOOLEAN	Boolean	2
14	 	QA_TEST	INVOICE	CUSTOM_STRING	Testing	1
16	 	QA_TEST	INVOICE	CUSTOM_INTEGER	Integer	4
19	 	QA_TEST	INVOICE	CUSTOM_STRING	CostCenter	12

- Integration allows changes to Ariba Filed Name and Determination User Element ID. Here you can make changes as desired and click on SAVE

Edit Custom Mapping

SAP Ariba Realm *

QA_TEST

Document Level *

INVOICE

Custom Type *

CUSTOM_STRING

Ariba Field Name *

CostCenter

Determination User Element ID *

12

SAVE

CANCEL

- You will be prompted to confirm the change

Edit Custom Mapping

SAP Ariba Realm *
QA_TEST

Document Level *
INVOICE

Custom Type *
CUSTOM_STRING

Ariba Field Name *
CostCenter-2

Determination User Element ID *
12

SAVE CANCEL

⚠ Are you sure you want to save the changes?

YES NO

- If you select YES, system will take you to Custom Field Mapping main screen where display grid shows changes made.

Custom Field Mapping

This Custom Field Mapping page is to view and configure Custom Field Mappings for your SAP Ariba Realm.
If you do not see your Custom Field Mapping on this page, select the "Add Custom Fields" link to create a new Custom Field Mapping.

➤ Add Custom Fields

ID	Action	SAP Ariba Realm	Document Level	Custom Type	Ariba Field Name	Determination User Element ID
11	✎ 🗑	QA_TEST	LINE	CUSTOM_STRING	Testing	1
17	✎ 🗑	QA_TEST	LINE	CUSTOM_INTEGER	Integer	4
15	✎ 🗑	QA_TEST	LINE	CUSTOM_DATE	Date	3
10	✎ 🗑	QA_TEST	INVOICE	CUSTOM_DATE	Date	3
12	✎ 🗑	QA_TEST	LINE	CUSTOM_BOOLEAN	Boolean	2
13	✎ 🗑	QA_TEST	INVOICE	CUSTOM_BOOLEAN	Boolean	2
14	✎ 🗑	QA_TEST	INVOICE	CUSTOM_STRING	Testing	1
16	✎ 🗑	QA_TEST	INVOICE	CUSTOM_INTEGER	Integer	4
19	✎ 🗑	QA_TEST	INVOICE	CUSTOM_STRING	CostCenter-2	12



Edit and Add Custom field mapping configuration have same validation logic.

DELETE CUSTOM FIELD MAPPING

To delete custom field mapping, please follow below steps:



















- Click on delete icon on the row in the display grid which you would like to get deleted.

Custom Field Mapping



















Custom Field Mapping

This Custom Field Mapping page is to view and configure Custom Field Mappings for your SAP Ariba Realm.

If you do not see your Custom Field Mapping on this page, select the "Add Custom Fields" link to create a new Custom Field Mapping.

Add Custom Fields						
ID	Action	SAP Ariba Realm	Document Level	Custom Type	Ariba Field Name	Determination User Element ID
11	 	QA_TEST	LINE	CUSTOM_STRING	Testing	1
17	 	QA_TEST	LINE	CUSTOM_INTEGER	Integer	4
15	 	QA_TEST	LINE	CUSTOM_DATE	Date	3
10	 	QA_TEST	INVOICE	CUSTOM_DATE	Date	3
12	 	QA_TEST	LINE	CUSTOM_BOOLEAN	Boolean	2
13	 	QA_TEST	INVOICE	CUSTOM_BOOLEAN	Boolean	2
14	 	QA_TEST	INVOICE	CUSTOM_STRING	Testing	1
16	 	QA_TEST	INVOICE	CUSTOM_INTEGER	Integer	4
19	 	QA_TEST	INVOICE	CUSTOM_STRING	CostCenter-2	12

- You will be prompted to confirm the action.

Add Custom Fields						
ID	Action	SAP Ariba Realm	Document Level	Custom Type	Ariba Field Name	Determination User Element ID
11	 	QA_TEST	LINE	CUSTOM_STRING	Testing	1
17	 	QA_TEST	LINE	CUSTOM_INTEGER	Integer	4
15	 	QA_TEST	LINE	CUSTOM_DATE	Date	3
10	 	QA_TEST	INVOICE	CUSTOM_DATE	Date	3
12	 	QA_TEST	LINE	CUSTOM_BOOLEAN	Boolean	2
13	 	QA_TEST	INVOICE	CUSTOM_BOOLEAN	Boolean	2
14	 	QA_TEST	INVOICE	CUSTOM_STRING	Testing	1
16	 	QA_TEST	INVOICE	CUSTOM_INTEGER	Integer	4
19	 	QA_TEST	INVOICE	CUSTOM_STRING	CostCenter-2	12

- Click on YES button to continue to delete the mapping. You would see the message confirming the deletion and display grid would not show the entry that has been deleted.

















Home Configuration Ariba Integration Settings Logs

Mapping has been deleted successfully

Custom Field Mapping

This Custom Field Mapping page is to view and configure Custom Field Mappings for your SAP Ariba Realm.
If you do not see your Custom Field Mapping on this page, select the "Add Custom Fields" link to create a new Custom Field Mapping.

➤ Add Custom Fields

ID	Action	SAP Ariba Realm	Document Level	Custom Type	Ariba Field Name	Determination User Element ID
11	 	QA_TEST	LINE	CUSTOM_STRING	Testing	1
17	 	QA_TEST	LINE	CUSTOM_INTEGER	Integer	4
15	 	QA_TEST	LINE	CUSTOM_DATE	Date	3
10	 	QA_TEST	INVOICE	CUSTOM_DATE	Date	3
12	 	QA_TEST	LINE	CUSTOM_BOOLEAN	Boolean	2
13	 	QA_TEST	INVOICE	CUSTOM_BOOLEAN	Boolean	2
14	 	QA_TEST	INVOICE	CUSTOM_STRING	Testing	1
16	 	QA_TEST	INVOICE	CUSTOM_INTEGER	Integer	4

ARIBA INTEGRATION SETTINGS

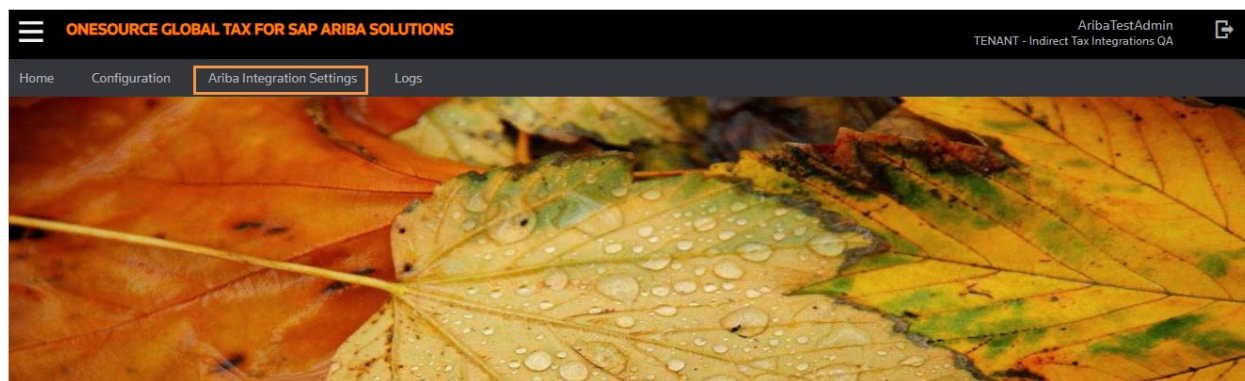
Ariba Integration Settings gives provision to maintain Health Check Entries settings and Tax Block Negation table. These settings are managed by Thomson Reuters for Cloud customers, and by your system administrator in on-premise. Do not change them unless advised.

HEALTH CHECK ENTRIES

Two input fields are offered to enter maximum number of health check history entries and health check entries duration.

To configure health check entries and tax block negation table, please follow below steps:

1. Log in to ONESOURCE Global Tax for SAP Ariba Solutions Integration UI.
2. On Home screen, click on Ariba Integration Settings.



3. You will be navigated to Add Integration Settings screen. This UI screen has sections for Health check entries set up and Tax block negation table. The highlighted in below screenshot shows the health check entries section.

The default values you would see in the configuration are:

Health Check Max History Entries (Number)=20

Health Check Entries History Duration (Milliseconds)=300000

Home
Configuration
Ariba Integration Settings
Logs

Add Integration Settings

Health Check Max History Entries (Number)

Health Check Entries History Duration (Milliseconds)

SAVE CANCEL

Tax Block Negation

Defines which tax block(s) to negate from Determination before sending to Ariba.

Add Tax Block Negation

ID	Action	Tax Type	Tax Direction
1		AC	O
2		ER	O
3		IM	O
4		IR	O
5		RC	O

- To update the default values, enter desired number (only whole number accepted) in both the Health Check Max History Entries (Number) and Health Check Entries History Duration (Milliseconds).

Home Configuration Ariba Integration Settings Logs

Add Integration Settings

Health Check Max History Entries (Number)

Health Check Entries History Duration (Milliseconds)

SAVE CANCEL

- Click on SAVE button to make the changes. UI would show banner message that the entries are saved successful.

ONESOURCE GLOBAL TAX FOR SAP ARIBA SOLUTIONS

AribaTestAdmin
TENANT - Indirect Tax Integrations QA

✓ Your changes have been saved successfully

Home Configuration Ariba Integration Settings Logs

Add Integration Settings

Health Check Max History Entries (Number)

Health Check Entries History Duration (Milliseconds)

SAVE CANCEL

TAX BLOCK NEGATION

Tax block negation table allows Integration users to set up negation logic based on ONESOURCE IDT Determination Tax Type and Tax Direction. Determination returns the tax type and tax direction for each tax block in its response. And Integration (ONESOURCE Global Tax for SAP Ariba Solutions) negates the tax amount in a tax block based on the configuration found in this table for a tax type. Integration negates the tax amount when the Tax direction is O (output).

The Integration UI is delivered with below tax block negation table:

TAX TYPE	DIRECTION
AC	O
ER	O
IM	O
IR	O
RC	O



ONESOURCE Global Tax for SAP Ariba Solutions OP Users, may contact Thomson Reuters ONESOURCE [Customer Support](#) for any questions on modifying (update, edit, delete) the entries in the table.

For OP Customers, DBA/System Admin users should have Integrations Admin role to perform changes to SAP Ariba Integration Settings

UPDATE TAX BLOCK NEGATION

To modify the tax block negation table, please follow below steps:

1. Log in to ONESOURCE Global Tax for SAP Ariba Solutions Integration UI.
2. On Home screen, click on Ariba Integration Settings.
3. You will be navigated to Add Integration Settings screen where you can see Tax Block negation table with default values.

Home Configuration Ariba Integration Settings Logs

Add Integration Settings

Health Check Max History Entries (Number)
50











Health Check Entries History Duration (Milliseconds)
320000

SAVE CANCEL

Tax Block Negation

Defines which tax block(s) to negate from Determination before sending to Ariba.

➕ Add Tax Block Negation

ID	Action	Tax Type	Tax Direction
1	 	AC	O
2	 	ER	O
3	 	IM	O
4	 	IR	O
5	 	RC	O











ADD NEW ENTRIES

1. To add new entries, click on Add Tax Block Negation button

Tax Block Negation

Defines which tax block(s) to negate from Determination before sending to Ariba.

➕ Add Tax Block Negation

ID	Action	Tax Type	Tax Direction
1	 	AC	O
2	 	ER	O
3	 	IM	O
4	 	IR	O
5	 	RC	O

You will be navigated to Add Tax Block Negation screen.

- a. Enter Tax Type to be added (these should be standard tax types defined in ONESOURCE Determination).
- b. And click on triangle button on Tax Direction drop-down list

Home Configuration Ariba Integration Settings Logs

Add Tax Block Negation

Defines which tax block(s) to negate from Determination before sending to Ariba.
Do not change these settings unless instructed by Thomson Reuters.

Tax Type *

RC

Tax Direction *

- c. Tax Direction drop-down shows two default values (I and O) where I is input and O is output.

The screenshot shows a web application interface with a dark navigation bar at the top containing the links: Home, Configuration, Ariba Integration Settings, and Logs. The main content area has a title 'Add Tax Block Negation' and a descriptive paragraph: 'Defines which tax block(s) to negate from Determination before sending to Ariba. Do not change these settings unless instructed by Thomson Reuters.' Below this, there are two required fields. The first is 'Tax Type *' with a text input field containing the value 'RC'. The second is 'Tax Direction *' with a dropdown menu. The dropdown menu is open, showing two options: 'I' and 'O'. The option 'O' is currently selected and highlighted with a light blue background. At the bottom of the form, there are two buttons: 'SAVE' and 'CANCEL'.

Home Configuration Ariba Integration Settings Logs

Add Tax Block Negation

Defines which tax block(s) to negate from Determination before sending to Ariba.
Do not change these settings unless instructed by Thomson Reuters.

Tax Type *

RC

Tax Direction *











I

O

SAVE CANCEL

- d. Select the direction (in this example)










- Click on SAVE button. You will be navigated to Ariba Integrations Settings UI screen where the display grid under Tax Block Negation shows the entry that is added

Tax Block Negation			
Defines which tax block(s) to negate from Determination before sending to Ariba.			
Add Tax Block Negation			
ID	Action	Tax Type	Tax Direction
1	 	AC	O
2	 	ER	O
3	 	IM	O
4	 	IR	O
5	 	RC	O

EDIT EXISTING ENTRIES

Let's say you have an entry with AC and Direction I. If you would like to make it correct where it is supposed to be AC and I follow below steps to edit the entry.

- Click on Edit (pencil icon) on the row in the Tax Block Negation table for which you would like to make an edit.

Tax Block Negation			
Defines which tax block(s) to negate from Determination before sending to Ariba.			
Add Tax Block Negation			
ID	Action	Tax Type	Tax Direction
1	 	AC	I
2	 	ER	O
3	 	IM	O
4	 	IR	O
5	 	RC	O

2. You will be navigated to Edit Tax Block Negation screen

Home Configuration Ariba Integration Settings Logs

Edit Tax Block Negation

Defines which tax block(s) to negate from Determination before sending to Ariba.
Do not change these settings unless instructed by Thomson Reuters.

Tax Type *

AC

Tax Direction *

I

SAVE CANCEL

3. Click triangle button on drop-down and select the direction (in this case it should be O)

Home Configuration Ariba Integration Settings Logs

Edit Tax Block Negation

Defines which tax block(s) to negate from Determination before sending to Ariba.
Do not change these settings unless instructed by Thomson Reuters.

Tax Type *

AC

Tax Direction *

I

O











O

SAVE CANCEL

- Click on SAVE button make changes saved. You will be navigated to Add Integration Settings UI screen where display grid shows the updated value for tax type AC.

Tax Block Negation
Defines which tax block(s) to negate from Determination before sending to Ariba.

➤ Add Tax Block Negation

ID	Action	Tax Type	Tax Direction
1	 	AC	O
2	 	ER	O
3	 	IM	O
4	 	IR	O
5	 	RC	O













DELETE EXISTING ENTRIES

To delete any entry from Tax Block Negation table, follow these below steps.

- Click on the Delete icon as shown in the below screenshot.

Tax Block Negation
Defines which tax block(s) to negate from Determination before sending to Ariba.













➤ Add Tax Block Negation

ID	Action	Tax Type	Tax Direction
1	 	AC	O
2	 	ER	O
3	 	IM	O
4	 	IR	O
6	 	NR	O
5	 	RC	O

2. You will be promoted to confirm the action.

Tax Block Negation
Defines which tax block(s) to negate from Determination before sending to Ariba.

➤ Add Tax Block Negation

ID	Action	Tax Type	Tax Direction
1	 		
2	 	ER	O
3	 	IM	O
4	 	IR	O
6	 	NR	O
5	 	RC	O

Are you sure you want to delete this record?

YES NO

3. Click on YES button to continue. You will see system message that the entry has been deleted successfully. And display grid also gets updated.











Health Check Entries History Duration (Milliseconds)
320000

Deleted successfully

SAVE CANCEL

Tax Block Negation
Defines which tax block(s) to negate from Determination before sending to Ariba.

➤ Add Tax Block Negation

ID	Action	Tax Type	Tax Direction
1	 	AC	O
2	 	ER	O
3	 	IM	O
4	 	IR	O
5	 	RC	O

ARIBA SUMMARIZED TAX TYPES

Ariba Summarized Tax Types is an Integration Database Table. This table helps Integration (ONESOURCE Global Tax) identify the summarized vs granular tax on the source system tax calculation request.

This table contains Ariba out of the box summarized tax types like **SalesTax** and **SUTTax** by default. The contents of the table can be seen on ONESOURCE Global Tax Integration User Interface screen **Ariba Summarized Tax Types Configuration** (Home > Ariba Summarized Tax Types > Ariba Integration Settings).



There is no additional set up/configuration required by Integration users and please do not edit/delete the default contents of this table.



If for any reason like new taxable country being supported by ONESOURCE Global Tax or new Ariba tax type introduced in SAP Ariba Buying Solution and that tax types are required on this table, then it can be extended by using add/edit options on the Ariba Summarized Tax Types Configuration UI screen.

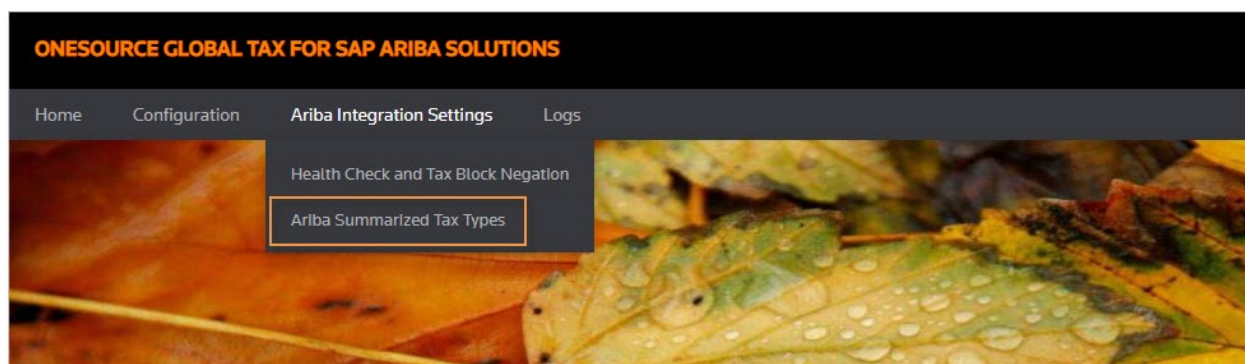


ONESOURCE Global Tax Integration Cloud version users need to request Thomson Reuters Professional Team or Customer Support for changes (adding new entry) to this table. On Premise users with role **Integrations Admin** will have authorization make changes to this table.

Please follow below steps to make changes to the table (add/edit/delete).

ADD NEW ENTRIES

1. Log on to ONESOURCE Global Tax Integration User Interface.
2. Navigate to click on Home > Ariba Integration Settings > Ariba Summarized Tax Types



3. Click on Ariba Summarized Tax Types button





Home Configuration **Ariba Integration Settings** Logs

Ariba Summarized Tax Types Configuration

Note1: Please create Ariba Summarized Tax Type exactly as it is defined (case sensitive) in Ariba Buying Solutions.

Note2: While you perform Edit, or Delete actions on an existing entry, please consider impact on Ariba Tax Response to Ariba Buying Solution.

+ Ariba Summarized Tax Types

ID	Action	Ariba Summarized Tax Type
1	 	SalesTax
2	 	SUTTax

- Enter Ariba Tax Type name in the input field.

Home Configuration Ariba Integration Settings Logs

Add Ariba Summarized Tax Type

Ariba Summarized Tax Type*

ARIBA TAX TYPE

SAVE CANCEL

- Click on SAVE button to continue to add the entry (CANCEL button aborts the change and take you to main screen).
- A pop up shows up for confirmation. Click on YES button to confirm the change.

The screenshot shows the 'Add Ariba Summarized Tax Type' form. The form has a header bar with 'Home', 'Configuration', 'Ariba Integration Settings', and 'Logs'. The main title is 'Add Ariba Summarized Tax Type'. Below the title, there is a label 'Ariba Summarized Tax Type*' and a text input field containing 'ARIBA TAX TYPE'. At the bottom of the form are two buttons: 'SAVE' and 'CANCEL'. A confirmation dialog box is overlaid on the form, asking 'Are you sure to make this change?' with 'YES' and 'NO' buttons.

- The newly added entry will be shown in the grid on the main screen

The screenshot shows the 'Ariba Summarized Tax Types Configuration' screen. It has a header bar with 'Home', 'Configuration', 'Ariba Integration Settings', and 'Logs'. The main title is 'Ariba Summarized Tax Types Configuration'. Below the title, there are two notes: 'Note1: Please create Ariba Summarized Tax Type exactly as it is defined (case sensitive) in Ariba Buying Solutions.' and 'Note2: While you perform Edit, or Delete actions on an existing entry, please consider impact on Ariba Tax Response to Ariba Buying Solution.' Below the notes is a table titled 'Ariba Summarized Tax Types'.

ID	Action	Ariba Summarized Tax Type
4		ARIBA TAX TYPE
1		SalesTax
2		SUTTax

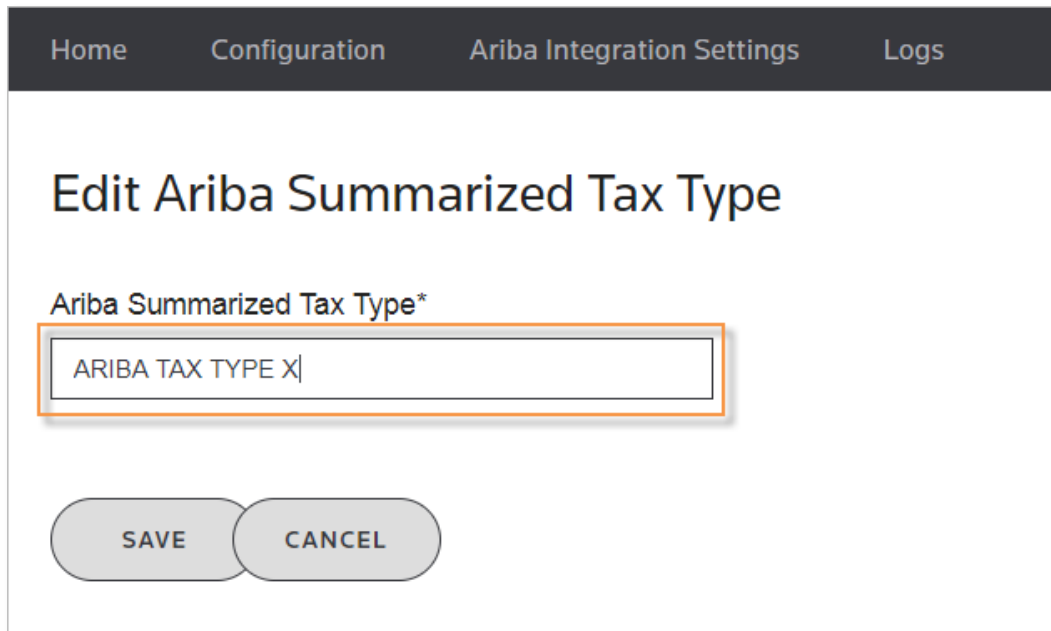
EDIT EXISTING ENTRIES

- Click on Edit button on the grid entry (Ariba Summarized Tax Types Configuration UI Screen) as shown below

The screenshot shows the 'Ariba Summarized Tax Types Configuration' screen, similar to the previous one. The table titled 'Ariba Summarized Tax Types' is shown. The 'Edit' button (pencil icon) for the entry with ID 4 and name 'ARIBA TAX TYPE' is highlighted with a red box.

ID	Action	Ariba Summarized Tax Type
4		ARIBA TAX TYPE
1		SalesTax
2		SUTTax

- Update name of the Ariba tax type in the input field



Home Configuration Ariba Integration Settings Logs

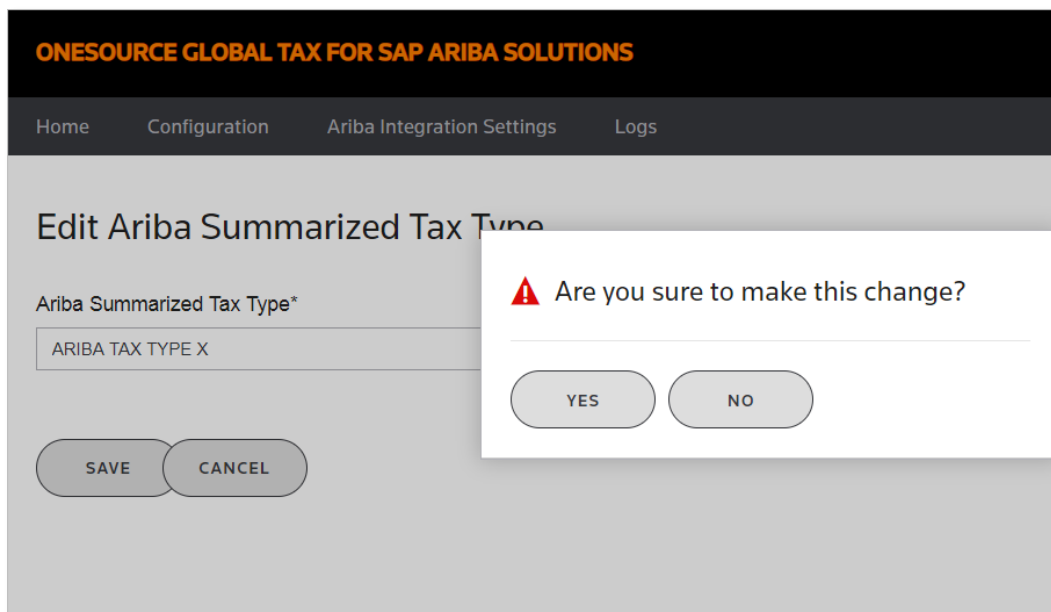
Edit Ariba Summarized Tax Type

Ariba Summarized Tax Type*

ARIBA TAX TYPE X

SAVE CANCEL

3. Click on SAVE button (CANCEL button will abort the change and takes you back to main screen).
4. A pop up shows up prompting for confirmation. Click on YES to continue (NO button will take you back to Edit screen).



ONESOURCE GLOBAL TAX FOR SAP ARIBA SOLUTIONS

Home Configuration Ariba Integration Settings Logs

Edit Ariba Summarized Tax Type

Ariba Summarized Tax Type*

ARIBA TAX TYPE X

SAVE CANCEL

! Are you sure to make this change?







YES NO

5. Change will be reflected on the main screen in the screen grid.

Ariba Summarized Tax Types Configuration

Note1: Please create Ariba Summarized Tax Type exactly as it is defined (case sensitive) in Ariba Buying Solutions.

Note2: While you perform Edit, or Delete actions on an existing entry, please consider impact on Ariba Tax Response to Ariba Buying Solution.

+ Ariba Summarized Tax Types		
ID	Action	Ariba Summarized Tax Type
4	 	ARIBA TAX TYPE X
1	 	SalesTax
2	 	SUTTax







DELETE ENTRIES

1. To delete an entry, click on delete icon as shown below.

Ariba Summarized Tax Types Configuration

Note1: Please create Ariba Summarized Tax Type exactly as it is defined (case sensitive) in Ariba Buying Solutions.

Note2: While you perform Edit, or Delete actions on an existing entry, please consider impact on Ariba Tax Response to Ariba Buying Solution.

+ Ariba Summarized Tax Types		
ID	Action	Ariba Summarized Tax Type
4	 	ARIBA TAX TYPE X
1	 	SalesTax
2	 	SUTTax

2. A pop up appears for confirmation of action. Click on YES button to continue (NO button will abort the change)

Ariba Summarized Tax Types Configuration

Note1: Please create Ariba Summarized Tax Type exactly as it is defined (case sensitive) in Ariba Buying Solutions.

Note2: While you perform Edit, or Delete actions on an existing entry, please consider impact on Ariba Tax Response to Ariba Buying Solution.

⊕ Ariba Summarized Tax Types

ID	Action	
4		
1		SalesTax
2		SUTTax

Are you sure to delete this entry?

YES
NO

3. System message will be shown to confirm that the changes are saved.
4. Display grid on main screen will reflects the changes. After deletion, the entry will be deleted from the database and will not be shown on display grid.

Ariba Summarized Tax Types Configuration

Note1: Please create Ariba Summarized Tax Type exactly as it is defined (case sensitive) in Ariba Buying Solutions.

Note2: While you perform Edit, or Delete actions on an existing entry, please consider impact on Ariba Tax Response to Ariba Buying Solution.

⊕ Ariba Summarized Tax Types		
ID	Action	Ariba Summarized Tax Type
1		SalesTax
2		SUTTax

TRANSACTION LOGS

ONESOURCE Global tax for SAP Ariba Solutions offers transaction logging capability Once XMLs are enabled ([XMLs Log Enablement](#)) at desired level, Integration will generate logs for transactions processed. Users can search for transaction logs, view results on UI and download in a zip format in to their local system.

Integration UI screen for Logs offers different search criteria.

- Company Name: Pre-populated based on what Integration User has access for in Determination
- External Company ID: This is the external company ID and pre-populated based on companies associated with User account in Determination



Company Name or External Company ID are required fields. Select either Company Name or External Company ID. Selecting one populates the other automatically. All other fields are optional but for faster results, enter more search criteria.

- Log Date and Time (From/Through): Dates can be entered manually or Calendar tool can be used. Input fields Start time and End time are available.
- Search string: User can enter anything relevant to transactions.
- SAP Ariba Document Number (SAP Ariba ID of the Purchase Requisition/Invoice Reconciliation Document)
- Document Type: These are the document types in SAP Ariba Buying Solution from which tax calculation requests are originated.



Users with Integrations Admin, Integrations Configurator and Integrations User can have access to logs. The companies for which a User can search against is determined by the User's permissions in the Determination.

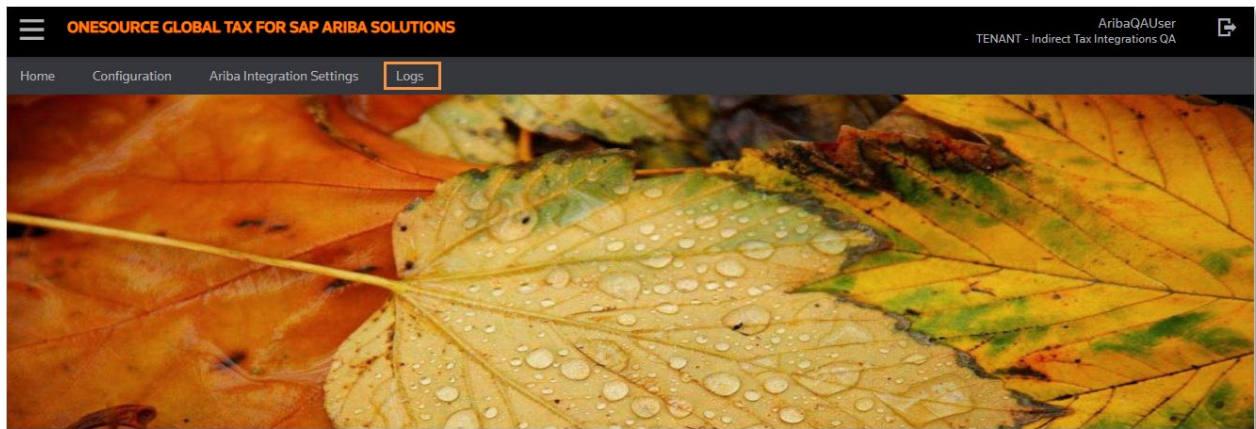


Please make sure that External ID is maintained for Determination Company in ONESOURCE Determination system. Even one of the Determination Companies under a Tenant ID without External ID will cause issues as listed below on Integration UI:

1. You would not be able to see all Determination Company values (under Company Name drop down on Search Logs Screen).
2. Integration would not be able to load values for External Company ID drop down (system may keep searching for results for unknown time).

DISPLAY TRANSACTION LOGS

1. Log in to ONESOURCE Global Tax for SAP Ariba Solutions.
2. On Home screen, click on Logs

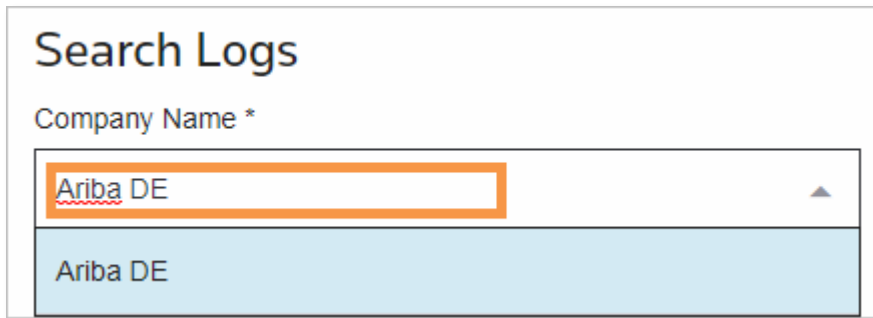


3. You will be navigated to Search Logs UI Screen

A screenshot of the 'Search Logs' UI screen. The top navigation bar is identical to the previous screenshot. Below the tabs, the 'Search Logs' section contains several input fields and dropdown menus. These include: 'Company Name *' with a dropdown menu; 'External Company ID *' with a dropdown menu; 'Log Date From' with a date picker icon; 'Start Time' with a time input field (HH24:MM:SS); 'Through Log Date' with a date picker icon; 'End Time' with a time input field (HH24:MM:SS); 'Search String' with a text input field; 'SAP Ariba Document Number' with a text input field; and 'Document Type' with a dropdown menu. A note below the document number field reads: '(Please Enter Complete Document Number for accurate and faster results. Ex: PR 1375, IRTTestInvoice-700)'. At the bottom left, there is a grey button labeled 'SEARCH'.

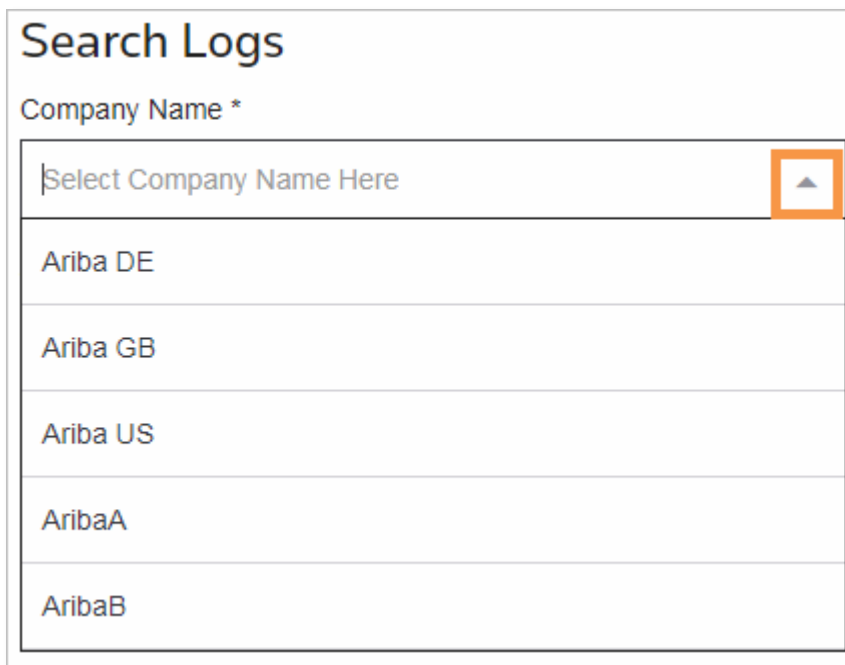
4. Select Company Name or External Company ID (required fields). You may search for company on the search bar on drop-down list or scroll through to find desired company (option a or b as shown below).

a) Using search bar to find a company:



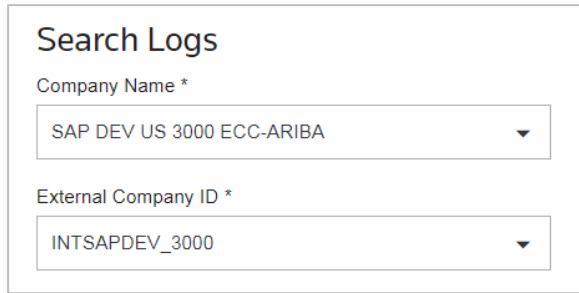
The screenshot shows a window titled "Search Logs". Below the title is a label "Company Name *". Underneath is a search bar containing the text "Ariba DE". A dropdown arrow is visible on the right side of the search bar. Below the search bar, a dropdown list is open, showing a single option "Ariba DE" highlighted in light blue.

b) Using drop-down/scroll bar list to find company:



The screenshot shows a window titled "Search Logs". Below the title is a label "Company Name *". Underneath is a dropdown menu with the placeholder text "Select Company Name Here". A dropdown arrow is visible on the right side of the menu. Below the menu, a list of company names is displayed: "Ariba DE", "Ariba GB", "Ariba US", "AribaA", and "AribaB". The "Ariba DE" option is currently selected.

- 4.1 Click on the company you wish you search logs for once you find the entry. External Company ID will be populated automatically.



Search Logs

Company Name *

SAP DEV US 3000 ECC-ARIBA ▼

External Company ID *

INTSAPDEV_3000 ▼



If you would like to select External Company ID, follow steps 4 and 5. Company Name will be populated based on your selection of external company ID.

- 4.2 Enter Date and Time. Enter Log Date from and Through Date or select the dates from the calendar tool. To use calendar tool, click on the calendar icon and select the dates. To enter time use, Start Time input fields and enter time manually. End time will be populated automatically when you enter Date Through
- 4.3 Search string for example Ariba Realm ID “DEV_TEST”.
- 4.4 Enter Document number if you would like to see log for a transaction.

4.5 Select the Document type to restrict the search to a document type.

The screenshot shows a web application interface for searching transaction logs. At the top, there is a navigation bar with links: Home, Configuration, Ariba Integration Settings, and Logs. The main heading is "Search Logs". Below this, there are several input fields and a search button. The "Company Name *" field contains "SAP DEV US 3000 ECC-ARIBA". The "External Company ID *" field contains "INTSAPDEV_3000". There are two date and time pickers: "Log Date From" (07/22/2018) and "Start Time" (00:00:00), and "Through Log Date" (07/23/2018) and "End Time" (23:59:59). The "Search String" field contains "DEV_TEST". The "SAP Ariba Document Number" field is empty. Below this field is a note: "(Please Enter Complete Document Number for accurate and faster results. Ex: PR 1375, IRTTestInvoice-700)". The "Document Type" dropdown menu is set to "Invoice Reconciliation (IR)". At the bottom left is a "SEARCH" button.

Home Configuration Ariba Integration Settings Logs

Search Logs

Company Name *

SAP DEV US 3000 ECC-ARIBA

External Company ID *

INTSAPDEV_3000

Log Date From Start Time

07/22/2018 00:00:00

Through Log Date End Time

07/23/2018 23:59:59

Search String

DEV_TEST

SAP Ariba Document Number

(Please Enter Complete Document Number for accurate and faster results. Ex: PR 1375, IRTTestInvoice-700)

Document Type

Invoice Reconciliation (IR)

SEARCH

5. Click on SEARCH button to get the results.
6. System would fetch results per search criteria.

Home Configuration Ariba Integration Settings Logs											
Search Results											
Company Name	External Company ID	Search String	SAP Ariba Document Number	SAP Ariba Document Type	Log Date And Time	Zip	Ariba Request XML (Tax Service Export Request Message)	Determination Request XML (INDATA)	Determination Response XML (OUTDATA)	Ariba Response XML (Tax Service Export Reply Message)	Timings
SAP DEV US 3	INTSAPDEV_3	DEV_TEST	IRAuditSc12	Invoice Reconc	2018-07-23						
BACK TO SEARCH LOGS											

Please see what search results display grid means here:

Home Configuration Ariba Integration Settings Logs											
Search Results											
Company Name	External Company ID	Search String	SAP Ariba Document Number	SAP Ariba Document Type	Log Date And Time	Zip	Ariba Request XML (Tax Service Export Request Message)	Determination Request XML (INDATA)	Determination Response XML (OUTDATA)	Ariba Response XML (Tax Service Export Reply Message)	Timings
SAP DEV US 3	INTSAPDEV_3	DEV_TEST	TotalAccr1	Invoice Reconc	2018-07-23 18						
SAP DEV US 3	INTSAPDEV_3	DEV_TEST	PartialAccr1	Invoice Reconc	2018-07-23 18						
SAP DEV US 3	INTSAPDEV_3	DEV_TEST	Sc12	Invoice Reconc	2018-07-23 18						
SAP DEV US 3	INTSAPDEV_3	DEV_TEST	Sc11	Invoice Reconc	2018-07-23 18						
SAP DEV US 3	INTSAPDEV_3	DEV_TEST	DEddldR1	Invoice Reconc	2018-07-23 16						
SAP DEV US 3	INTSAPDEV_3	DEV_TEST	DEddldR1	Invoice Reconc	2018-07-23 16						

Search results include four xml data files.


- Ariba Request XML: request from SAP Ariba Buying Solution
- Determination Request XML: request to Determination from ONESOURCE Global Tax for SAP Ariba Solutions (Integration)
- Determination Response XML: response from Determination to ONESOURCE Global Tax for SAP Ariba Solutions (Integration)
- Ariba Response XML: Response from Integration SAP Ariba Buying Solution.

7. To view xml data:

- Click on document icon to see data in a pop up window within the same browser.

The screenshot shows the 'Search Results' table with columns: Company Name, External Company ID, Search String, and SAP Ariba Document Number. A modal window is open, displaying a SOAP message. Callouts indicate: 'scroll to view xml message' (pointing to the modal), 'click on this button to close message pop-up and go back to search' (pointing to the 'RETURN TO SEARCH RESULT' button), and 'click on this button to copy the xml message' (pointing to the 'COPY XML MESSAGE' button).

Company Name	External Company ID	Search String	SAP Ariba Document Number
SAP QA US 3000 E	INTSAPQAE_3000		IRarbabaplinv5-4
SAP QA US 3000 E	INTSAPQAE_3000		IRarbabaplinv4-4
SAP QA US 3000 E	INTSAPQAE_3000		IRarbabaplinv3-4
SAP QA US 3000 E	INTSAPQAE_3000		IRarbabaplinv2-4
SAP QA US 3000 E	INTSAPQAE_3000		IRbapi-nopo1-452
SAP QA US 3000 E	INTSAPQAE_3000		PR732-V2
SAP QA US 3000 E	INTSAPQAE_3000		PR732-V2
SAP QA US 3000 E	INTSAPQAE_3000		PR732
SAP QA US 3000 E	INTSAPQAE_3000		PR732
SAP QA US 3000 E	INTSAPQAE_3000		IR1126inv-451

b. click on download link icon  to download all 4 types of xml data files in a zip file to your local computer system.

8. To check time took to get the transaction log, please click on icon  under Timings column

The screenshot shows the 'Timings' table with columns: ID, Description, Milliseconds, and Synchronization Timestamp. A 'BACK TO SEARCH XML' button is at the bottom.

ID	Description	Milliseconds	Synchronization Timestamp
b7c3a3b4-3db4-47fd-a2da-c818227fe988	Sending tax to Determination.	1534968024472	2018-08-22 20:00:30
3916d230-2cb9-4548-b2d0-a792630f838e	Receiving response from Determination.	1534968030515	2018-08-22 20:00:30
f48b9f62-b67e-4424-a599-6d3a045dd933	Preparing to save log.	1534968030571	2018-08-22 20:00:30

9. Click on BACK TO SEARCH XML button to go back to search results UI screen.

10. Click on BACK TO SEARCH LOGS button on Search Results UI screen to go back to Search Logs UI screen search for other transactions.

Home Configuration Ariba Integration Settings Logs											
Search Results											
Company Name	External Company ID	Search String	SAP Ariba Document Number	SAP Ariba Document Type	Log Date And Time	Zip	Ariba Request XML (Tax Service Export Request Message)	Determination Request XML (INDATA)	Determination Response XML (OUTDATA)	Ariba Response XML (Tax Service Export Reply Message)	Timings
SAP QA US 3000	INTSAPQAE_300		PR732-V2	Purchase Requisi	2018-11-26 20:38						
SAP QA US 3000	INTSAPQAE_300		PR732-V2	Purchase Requisi	2018-11-26 20:38						
SAP QA US 3000	INTSAPQAE_300		PR732	Purchase Requisi	2018-11-26 20:27						
SAP QA US 3000	INTSAPQAE_300		PR732	Purchase Requisi	2018-11-26 20:27						
SAP QA US 3000	INTSAPQAE_300		PR730	Purchase Requisi	2018-11-26 20:03						
BACK TO SEARCH LOGS click on this button to go back to Search Logs main screen											

APPENDIX I

ARIBA REQUEST FIELDS MAPPING

Ariba Request	TR Mapping	Comments
Header	<Collection>	
variant	Batch.Calling_System_Number	
partition	Batch.Host_System	
item	<Collection>	
partition	N/A	Set at batch level
variant	N/A	Set at batch level
TaxServiceExportReply	<Collection>	
item	<Collection>	
CompanyCode	<Collection>	
UniqueName	Invoice.External_Company_ID	
DocumentDate	Invoice.Invoice_Date	
LineItems	<Collection>	
item	Line.LineID	
BillingAddress	Line.Bill_To	Line1, Line2, Line3 are not mapped to Determination Address structure. If desired, Custom Attributes be used.
BuyerTaxRegistrationNumber	Line.Registrations.Buyer_Role	Multiple values allowed
ChargeDetail	<Collection>	not use by SAP Ariba (unsupported)
ChargeAmount	Line.Document_Amount.Gross_Amount	not use by SAP Ariba (unsupported)

Ariba Request Fields Mapping

Ariba Request	TR Mapping	Comments
Currency	<Collection>	not use by SAP Ariba (unsupported)
UniqueName	Invoice.Currency_Code	not use by SAP Ariba (unsupported)
ChargeType	<Collection>	not use by SAP Ariba (unsupported)
UniqueName	Line.Product_Code	not use by SAP Ariba (unsupported)
CommodityCode	<Collection>	
UniqueName	Line.Product_Code	
Description	Line.Description	
CommonCommodityCode	<Collection>	
UniqueName	Line.Commodity_Code	
Domain	Line.User_Element.Attribute47	
UnitOfMeasure	<Collection>	
UniqueName	Line.Qunatities.Qunatity.Uom	
IncoTermsCode	<Collection>	
UniqueName	Line.Delivery_Terms	
IncoTermsDetail	Line.Title_Transfer_Location	
LineType	<Collection>	
UniqueName	Invoice.User_Element.Attribute41	Used from first line
Category	N/A	
NetAmount	<Collection>	
Amount	Line.Document_Amount.Gross_Amount	
Currency	<Collection>	
UniqueName	Invoice.Currency_Code	Used from first line
NumberInCollection	Line.Line_Number	
ParentLineNumber	Line.Related_Line_Number	
Quantity	Line.Qunatities.Qunatity.Amount	
SellerTaxRegistrationNumber	Line.Registrations.Seller_Role	Multiple values allowed
ShipTo	Line.Ship_To	Line1, Line2, Line3 are not mapped to any Determination elements. If desired, Customer Attributes can be used.
SupplierLocation	Line.Ship_From	Line1, Line2, Line3 are not mapped to any Determination elements. If desired, Customer Attributes can be used.
TaxExclusion	Line.Is_No_Tax.All	If TRUE set to Is_No_Tax for Determination, Ariba

Ariba Request Fields Mapping

Ariba Request	TR Mapping	Comments
		response will have an empty line structure with only the NumberInCollection reference
ShipFromAddress	Line.Ship_From	Line1, Line2, Line3 are not mapped to any Determination elements. If desired, Customer Attributes can be used.
Parent	<Collection>	
NumberInCollection	N/A	
OriginalSupplierAmount	<Collection>	
Currency	<Collection>	
UniugeName	N/A	
Amount	N/A	
Taxes	<Collection>	
FinalAmount	<Collection>	
Currency	<Collection>	
UniqueName	N/A	
Amount	N/A	
TaxType	<Collection>	
UniqueName	N/A	
OriginalSupplierAmount	<Collection>	
Currency	<Collection>	
UniqueName	N/A	
Amount	N/A	
IsBuyerPayableTax	N/A	
SAPPlant	<Collection>	Ariba will not have ERP Plant ID in this field
UniqueName	N/A	
SupplierID	Invoice.Vendor_Number	
OrganizationName		
OrganizationUnit	Invoice.External_Company_ID	
Type	Invoice.Document_Type	
UniqueName	Invoice.Invoice_Number	
RelatedDocument	Invoice.Original_Invoice.Number	
DocumentSubType	Invoice.User_Element.Value, Attribute42	
IsRetry	N/A	
custom	<Collection>	

Ariba Request Fields Mapping

Ariba Request	TR Mapping	Comments
CustomBoolean	Line.User_Element.Value	Value # mapped in integration layer
CustomInteger	Line.User_Element.Value	Value # mapped in integration layer
CustomMoney	<Collection>	
Amount	Line.User_Element.Attribute42	
AmountInReportingCurrency	Line.User_Element.Attribute43	
ApproxAmountInBaseCurrency	Line.User_Element.Attribute44	
ConversionDate	Line.User_Element.Attribute45	
Currency	<Collection>	
UniqueName	Line.User_Element.Attribute46	
CustomString	Line.User_Element.Value	
Type	Invoice.Document_Type	
OrganizationName	Invoice.External_Company_ID	
OrganizationUnit	N/A	Only OrganizationName used to capture ERP Company Code
UniqueName	Invoice.Invoice_Number	
custom	<Collection>	
CustomBoolean	Line.User_Element.Attribute	Value # mapped in integration layer
CustomInteger	Line.User_Element.Attribute	Value # mapped in integration layer
CustomMoney	<Collection>	
Amount	Invoice.User_Element.Attribute42	
AmountInReportingCurrency	Invoice.User_Element.Attribute43	
ApproxAmountInBaseCurrency	Invoice.User_Element.Attribute44	
ConversionDate	Invoice.User_Element.Attribute45	
Currency	<Collection>	
UniqueName	Invoice.User_Element.Attribute46	
CustomString	Invoice.User_Element.Attribute	Value # mapped in integration layer

ARIBA RESPONSE FIELD MAPPING

Ariba Response	TR Mapping	Comments
ExternalTaxResponseStatus	<Collection>	
Description	Invoice.Request_Status.Error.Descrpiton	
ErrorCode	Invoice.Request_Status.Error.Code	
ErrorLocationPath	Invoice.Request_Status.Error.Error_Location_Path	
Success	Invoice.Request_Status.Is_Success	
LineItems	<Collection>	
item	<Collection>	
ExternalTaxItem	<Collection>	
item	<Collection>	
AbatementPercent	Tax.Basis_Percent	If provided (times 100), if NIL set it to 100% default.
BuyerTaxRegistrationNumber	Line.Tax.Buyer_Registration	single value
Category	Tax.Tax_Type	
Description	Tax.Authority_Type	
ExternalTaxType	<Collection>	
UniqueName	Tax.Authority_Type	
FormulaString	Tax.Jurisdiction_Text Tax.Rule_Order Tax.Nature_of_Tax	Concatenate the three fields with a pipe separator
InvoiceCitation	Tax.Invoice_Description Tax.Jurisdiction_Text	Jurisdiction text for tax types NL, RC, TR, ZE, ZC, else invoice description
IsDeductible	Tax.Tax_Type, = NR, set to "true", else to "false"	
PerUnit	Tax.Fee.Amount	
Percent	Tax.Tax_Rate	Only first fee will be returned
SellerTaxRegistrationNumber	Line.Tax.Seller_Registration	single value
TaxAmount	<Collection>	
Amount	Tax.Tax_Amount.Document_Amount	
Currency	<Collection>	
UniqueName	Invoice.Currency_Code	
TaxableAmount	<Collection>	
Amount	Tax.Document_Amount.Taxable_Basis.Amount	

Ariba Response	TR Mapping	Comments
Currency	<Collection>	
UniqueName	Invoice.Currency_Code	
AccountInstruction	Tax.Erp_Tax_Code	
TaxAuthority	Tax.Authority_Name	
TaxComponents	<Collection>	
item	<Collection>	
TaxAmount	<Collection>	
Currency	<Collection>	
UniqueName	Invoice.Currency_Code	
Amount	Tax.Tax_Amount.Document_Amount	
ExternalTaxType	<Collection>	
UniqueName	Tax.Authority_Type	
TaxableAmount	<Collection>	
Currency	<Collection>	
UniqueName	Invoice.Currency_Code	
Amount	Tax.Document_Amount.Taxable_Basis.Amount	
Description	Tax.Authority_Type	
FormulaString	Tax.Jurisdiction_Text Tax.Rule_Order Tax.Nature_of_Tax	
Percent	Tax.Tax_Rate	
PostinngComponents	<Collection>	
item	<Collection>	
TaxAmount	<Collection>	
Currency	<Collection>	
UniqueName	Invoice.Currency_Code	
Amount	Tax.Tax_Amount.Document_Amount	
TaxableAmount	<Collection>	
Currency	<Collection>	
UniqueName	Invoice.Currency_Code	
Amount	Tax.Document_Amount.Taxable_Basis.Amount	
ExternalTaxType	<Collection>	
UniugeName	Tax.Authority_Type	
PostingInstructions	<Collection>	
item	<Collection>	
Value	Tax.Erp_Tax_Code	
Name	AccountInstruction	
item	<Collection>	
Value	Values based on accrual logic	true/false

Ariba Response Field Mapping

Ariba Response	TR Mapping	Comments
Name	IsAccrual	
Description	Tax.Authority_Type	
Percent	Tax.Tax_Rate	
IsDeductible	Tax.Tax_Type, = NR, set to "true", else to "false"	
InvoiceCitation	Tax.Invoice_Description Tax.Jurisdiction_Text	
IsBuyerPayableTax	N/A	
NumberInCollection	Line.Line_Number	
TaxCode	<Collection>	
Country	<Collection>	
UniqueName	Tax.Taxable_Country	
UniqueName	Tax.Erp_Tax_Code	
custom	<Collection>	
CustomBoolean	Line.User_Element.Value	
CustomInteger	Line.User_Element.Value	
CustomMoney	<Collection>	
Amount	Line.User_Element.Attribute42	
AmountInReportingCurrency	Line.User_Element.Attribute43	
ApproxAmountInBaseCurrency	Line.User_Element.Attribute44	
ConversionDate	Line.User_Element.Attribute45	
Currency	<Collection>	
UniqueName	Line.User_Element.Attribute46	

APPENDIX II

SAP ARIBA REPORTS WITH TAX DATA

SAP Procurement Solution offers reporting functionality to analyze the transaction data. The two options “Pre-packaged reports” and “Analytical report” provide users opportunity to extract the transaction data for different analysis purpose.

User can use prepackaged reports and modify them for desired reporting data or may use Analytical Reports option to create completely customized reports. Here we show sample prepackaged reports with a little modification (Invoice Report modified) to show tax calculated by ONESOURCE Global Tax for SAP Ariba Solutions.

Tax Data generated on approvable documents during procurement transactions can also be seen on standard reports. And reports can be customized by adding report fields required from available report field inventory or deleting fields which are not necessary per user's requirement.

REQUISITION REPORT WITH TAX DATA

Tax data generated during Requisition transaction processing can be seen on report “Requisition Spend with Charges and Taxes” available in Pre-packaged reports.

Navigation for accessing the Requisition Spend with Charges and Taxes report:

1. Log in SAP ARIBA Procurement Solution
2. On Home screen navigate to > Manage > Prepackaged Reports
3. System would display list of available Prepackaged Reports. Under the Name Column > Click on Requisition Reports > Click on Open on pull down menu
4. System would display all reports related to Requisition reporting
5. Click on Requisition Spend with Charges and Taxes > Click on Open on the pull-down menu
6. System would display the report as shown in below screenshot

Requisition Report With Tax Data

User can use standard edit and export and other functionalities to modify the report. Reporting feature description is beyond the scope of this document. Please refer SAP ARIBA product documentation to learn more about working with Reports.

Reporting Requisition Spend with Charges and Taxes

Field Browser: Page Others

Applied Filters: 2,319.64 Requisition Date Spanning: most recent 2 Year(s) Line Type * Exclude * Charge, Tax, Discount Display Options Edit Min/Max rows: 3/8

Detail View

Requisition ID	Requisition Date	Requisition Line Number	ERP Supplier	Part Name	Description	Commodity	Line Type	Unit of Measure	Requisition Quantity	Requisition Unit Price (USD)	Discount Amount (USD)	Charge Amount (USD)	Tax Amount (USD)	Gross Amount (USD)
Total									2,319.64	639.25	-723.75	504.00		
PR170	1/13/2017	1	IL Office Supplies	(3001_IT Consultation 3001) State Sales/Use	Consultation	Cafeteria services	Catalog Item	hour	1,000.00	15.00	0.00	0.00		
PR52	12/14/2016	1	IL Office Supplies	(3001_IT Consultation 3001) State Sales/Use	Consultation	Organizational structure consultation	Catalog Item	hour	160.00	100.00	0.00	0.00		
PR172	1/13/2017	1	IL Office Supplies	Unclassified	Service Req3	Cafeteria services	Non-Catalog Item	each	100.00	15.00	0.00	0.00		

Detail View

ERP Supplier	Part Name	Description	Commodity	Line Type	Unit of Measure	Requisition Quantity	Requisition Unit Price (USD)	Discount Amount (USD)	Charge Amount (USD)	Tax Amount (USD)	Gross Amount (USD)
						2,319.64	639.25	-723.75	504.00	152,191.15	1,635,241.21
IL Office Supplies	(3001_IT Consultation 3001) State Sales/Use	Consultation	Cafeteria services	Catalog Item	hour	1,000.00	15.00	0.00	0.00	1,275.00	16,275.00
IL Office Supplies	(3001_IT Consultation 3001) State Sales/Use	Consultation	Organizational structure consultation	Catalog Item	hour	160.00	100.00	0.00	0.00	0.00	16,000.00
IL Office Supplies	Unclassified	Service Req3	Cafeteria services	Non-Catalog Item	each	100.00	15.00	0.00	0.00	127.50	1,627.50
IL Office Supplies	Unclassified	Tax Test	Printer and facsimile and photocopier supplies	Non-Catalog Item	each	100.00	10.00	0.00	0.00	0.00	1,000.00
IL Office Supplies	Unclassified	Tax Test	Printer and facsimile and photocopier supplies	Non-Catalog Item	each	100.00	10.00	0.00	0.00	0.00	1,000.00
IL Office Supplies	(3001_PrintSupplies 3001) State Sales/Use	Print Supplies	Printer and facsimile and photocopier supplies	Catalog Item	each	100.00	100.00	0.00	0.00	825.00	10,825.00
IL Office Supplies	(3001_PhotoCopier2 3001) Multi-Purpose Photocopier-3001	Photo Copier2	Photocopiers	Catalog Item	each	90.00	3,000.00	0.00	0.00	22,275.00	292,275.00

Requisition Report With Tax Data

To display tax data at authority level: Click on Report Column Line Type > Select Line Type (all) option on the pull-down menu.

Detail View ▾												
Requisition e mber	ERP Supplier	Part Name	Description	Commodity	Line Type ✓	Unit of Measure	Requisition Quantity 1	Requisition Unit Price (USD)	Discount Amount (USD)	Charge Amount (USD)	Tax Amount (USD)	Gross Amount (USD)
							2,319.64	639.25	-723.75	504.00	152,191.15	1,635,241.21
	IL Office Supplies ▾	(3001_IT Consultation 3001) State Sales/Use ▾	Consultation	Cafeteria services	Catalog Item	hour	1,000.00	15.00	0.00	0.00	1,275.00	16,275.00
	IL Office Supplies ▾	(3001_IT Consultation 3001) State Sales/Use ▾	Consultation	Organizational structure consultation	Catalog Item	hour	160.00	100.00	0.00	0.00	0.00	16,000.00
	IL Office Supplies ▾	Unclassified ▾	Service Req3	Cafeteria services	Non- Catalog Item	each	100.00	15.00	0.00	0.00	127.50	1,627.50
	IL Office Supplies ▾	Unclassified ▾	Tax Test	Printer and facsimile and photocopier supplies	Non- Catalog Item	each	100.00	10.00	0.00	0.00	0.00	1,000.00
	IL Office Supplies ▾	Unclassified ▾	Tax Test	Printer and facsimile and photocopier supplies	Non- Catalog Item	each	100.00	10.00	0.00	0.00	0.00	1,000.00

Detail View ▾												
Requisition e mber	ERP Supplier	Part Name	Description	Commodity	Expand Next Level			Requisition Unit Price (USD)	Discount Amount (USD)	Charge Amount (USD)	Tax Amount (USD)	Gross Amount (USD)
					At lowest level							
					Select Level, Values:							
					Line Type (all)			639.25	-723.75	504.00	152,191.15	1,635,241.21
	IL Office Supplies ▾	(3001_IT Consultation 3001) State Sales/Use ▾	Consultation	Cafeteria services	Catalog Item			15.00	0.00	0.00	1,275.00	16,275.00
	IL Office Supplies ▾	(3001_IT Consultation 3001) State Sales/Use ▾	Consultation	Organizational structure consultation	Non-Catalog Item			100.00	0.00	0.00	0.00	16,000.00
	IL Office Supplies ▾	Unclassified ▾	Service Req3	Cafeteria services	Select Others...			15.00	0.00	0.00	127.50	1,627.50
	IL Office Supplies ▾	Unclassified ▾	Tax Test	Printer and facsimile and photocopier supplies	Select Search Filter...			10.00	0.00	0.00	0.00	1,000.00
	IL Office Supplies ▾	Unclassified ▾	Tax Test	Printer and facsimile and photocopier supplies	Move Field			10.00	0.00	0.00	0.00	1,000.00
	IL Office Supplies ▾	Unclassified ▾	Tax Test	Printer and facsimile and photocopier supplies	Left			10.00	0.00	0.00	0.00	1,000.00
	IL Office Supplies ▾	Unclassified ▾	Tax Test	Printer and facsimile and photocopier supplies	Right			10.00	0.00	0.00	0.00	1,000.00
	IL Office Supplies ▾	Unclassified ▾	Tax Test	Printer and facsimile and photocopier supplies	Show Field On			10.00	0.00	0.00	0.00	1,000.00

Requisition Report With Tax Data

Detail View												
Requisition Number	ERP Supplier	Part Name	Description	Commodity	Line Type	Unit of Measure	Requisition Quantity	Requisition Unit Price (USD)	Discount Amount (USD)	Charge Amount (USD)	Tax Amount (USD)	Gross Amount (USD)
							2,319.64	639.25	-723.75	504.00	303,807.55	1,938,325.01
	IL Office Supplies	(3001_IT Consultation 3001) State Sales/Use	Consultation	Cafeteria services	Catalog Item	hour	1,000.00	15.00	0.00	0.00	1,275.00	16,275.00
001	IL Office Supplies	(3001_IT Consultation 3001) State Sales/Use	State Sales/Use	Cafeteria services	Tax	hour	0.00		0.00	0.00	900.00	1,800.00
002	IL Office Supplies	(3001_IT Consultation 3001) State Sales/Use	District Sales/Use	Cafeteria services	Tax	hour	0.00		0.00	0.00	187.50	375.00
003	IL Office Supplies	(3001_IT Consultation 3001) State Sales/Use	City Sales/Use	Cafeteria services	Tax	hour	0.00		0.00	0.00	187.50	375.00
	IL Office Supplies	(3001_IT Consultation 3001) State Sales/Use	Consultation	Organizational structure consultation	Catalog Item	hour	160.00	100.00	0.00	0.00	0.00	16,000.00
	IL Office Supplies	Unclassified	Service Req3	Cafeteria services	Non-Catalog Item	each	100.00	15.00	0.00	0.00	127.50	1,627.50
001	IL Office Supplies	Unclassified	State Sales/Use	Cafeteria services	Tax	each	0.00		0.00	0.00	90.00	180.00
002	IL Office Supplies	Unclassified	District Sales/Use	Cafeteria services	Tax	each	0.00		0.00	0.00	18.75	37.50

Report can be exported to user's system. SAP ARIBA solution exports the data in pivot table.

1. Click on Export button
2. System would process export in 6 automatic steps as shown in below screenshot. Once completed, an Excel file will be opened on User's computer system with report data

Exporting to Excel template
Return to Report

Your data is being exported. If you are asked to enable ActiveX, respond Yes. Otherwise, your data cannot be exported to Excel.

1. Contacting Excel
2. Downloading template
3. Waiting for query
4. Downloading data
5. Configuring layout
6. Done

Return to Report

Requisition Report With Tax Data

A	B	C	D	E	F
1	Re Total				
2	This Worksheet Will Contain Data Populated From Ariba Spend Management.				
3	Requisition Quantity	Requisition Unit Price	Discount Amount (USD)	Charge Amount (USD)	Tax Amount (USD)
4	Query Parameters: Range "Ariba_Data_Params"				
5	Source Data	Requisition			
6	Fixed Columns	FALSE			
7	Query Filters				
8	Field Mappings				
9	Raw Field Names	RequisitionId,RequisitionDate,Day,RequisitionLineNumber,Supplier,SupplierName,Part,PartName,Description,Commodity,CommodityCode			
10	Sort Fields				
11					
12	Data Table: Range "Ariba_Data"				
13					
14	Requisition ID	Requisitioning Date	Requisition Line Number	Supplier - ERP Supplier	Part - Part Name
15	PR713	5/12/2017 100002		Office Products GB	(2001_9X-Propane 2001) VAT
16	PR720	5/14/2017 1		Office Products GB	(2001_9X-Propane 2001) VAT
17	PR743	5/18/2017 1		Office Products GB	(2001_9X-Propane 2001) VAT
18	PR728	5/16/2017 1		Office Products GB	(2001_9X-Propane 2001) VAT
19	PR747	5/18/2017 1		Office Products GB	(2001_9X-Propane 2001) VAT
20	PR696	5/9/2017 1		Office Products GB	Unclassified
21	PR713	5/12/2017 1		Office Products GB	(2001_9X-Propane 2001) VAT
22	PR745	5/18/2017 1		Office Products GB	(2001_9X-Propane 2001) VAT
23	PR753	5/18/2017 1		Office Products GB	(2001_9X-Propane 2001) VAT
24	PR697	5/10/2017 1		Office Products GB	(2001_Propane 2001) VAT
25	PR800	5/31/2017 1		Office Products GB	(UK2001LMS-LANMaintenance Support 2001)
26	PR710	5/12/2017 2		IL Office Supplies	(3001_InkCartridge 3001) State Sales/Use
27	DD712	5/12/2017 2		IL Office Supplies	(3001_InkCartridge 3001) State Sales/Use

PURCHASE ORDER REPORT WITH TAX DATA

In SAP ARIBA Procurement Solution, once PR is approved, Purchase Order is generated. The tax calculated on PR will be copied over to Purchase Order document. The tax amount, tax authority data received from ONESOURCE Global Tax for SAP Ariba Solutions would be similar to the data found on Purchase Requisition. But the report Purchase Order Spend with Charges and Taxes would show tax on Purchase Order.

Navigation for accessing the Purchase Order Spend with Charges and Taxes:

1. Log in SAP ARIBA Procurement Solution.
2. On Home screen navigate to > Manage > Prepackaged Reports.
3. System would display list of available Prepackaged Reports. Under the Name Column > Click on Purchase Order Reports > Click on Open on pull down menu.
4. System would display all reports related to Purchase Order reporting.
5. Click on Purchase Order Spend with Charges and Taxes > Click on Open on the pull-down menu.

Purchase Order Reports		Show Detailed View
Purchase Order Reports		Show Details Actions
Name	Owner	
PCard Order Details	aribasystem	
Purchase Order Activity	aribasystem	
Purchase Order Spend with Charges and Taxes	aribasystem	
Purchase Order Spend with Charges and Taxes Detail	aribasystem	
Purchase Price Variance by Commodity	aribasystem	
Received Not Invoiced Report	aribasystem	
Requisition Total by Supplier	aribasystem	
Spend Concentration Analysis by Commodity	aribasystem	
Spend Penetration by Commodity	aribasystem	
Top items ordered by Punchout vs. Contained	aribasystem	
Total number of items ordered	aribasystem	

Purchase Order Report With Tax Data

6. System would display the report as shown in below screenshot.

Reporting Purchase Order Spend with Charges and Taxes

Field Browser: Page Others

Applied Filters: 2,078.82 Ordered Date Spanning: most recent 2 Year(s) Line Type * Exclude * Charge, Tax, Discount

Display Options Edit Min/Max rows: 3/8

Detail View

Requester	Order Id	Ordered Date	PO Line Number	Line Type	Description	ERP Supplier	Unit of Measure	PO Quantity	PO Unit Price (USD)	PO Spend (USD)	Discount Amount (USD)	Charge Amount (USD)
Total								2,078.82	569.7593	1,184,643.75	-713.75	234.81
Venu Kotagiri	PO68	1/13/2017	1	Catalog Item	Consultation	IL Office Supplies	hour	1,000.00	15.0000	15,000.00	0.00	0.00
	PO22	12/14/2016	1	Catalog Item	Consultation	IL Office Supplies	hour	160.00	100.0000	16,000.00	0.00	0.00
	PO16	12/9/2016	1	Non-Catalog Item	Tax Test	IL Office Supplies	each	100.00	10.0000	1,000.00	0.00	0.00
	PO31	12/18/2016	1	Catalog Item	Print Supplies	IL Office Supplies	each	100.00	100.0000	10,000.00	0.00	0.00

7. To display tax data at authority level > Click on Report Column Line Type > Select Line Type (all) option on the pull-down menu

Detail View

Requester	Order Id	Ordered Date	PO Line Number	Line Type	Description	ERP Supplier	Unit of Measure	PO Quantity	PO Unit Price (USD)	PO Spend (USD)	Discount Amount (USD)	Charge Amount (USD)
Total								2,078.82	569.7593	1,184,643.75	-713.75	234.81
Venu Kotagiri	PO68	1/13/2017	1	Catalog Item	Consultation	IL Office Supplies	hour	1,000.00	15.0000	15,000.00	0.00	0.00
	PO22	12/14/2016	1	Catalog Item	Consultation	IL Office Supplies	hour	160.00	100.0000	16,000.00	0.00	0.00
	PO16	12/9/2016	1	Non-Catalog Item	Tax Test	IL Office Supplies	each	100.00	10.0000	1,000.00	0.00	0.00
	PO31	12/18/2016	1	Catalog Item	Print Supplies	IL Office Supplies	each	100.00	100.0000	10,000.00	0.00	0.00
	PO36	12/19/2016	1	Catalog Item	Photo Copier2	IL Office Supplies	each	90.00	3,000.0000	270,000.00	0.00	0.00

Pivot table Chart Dashboard

Applied Filters: 2,078.82 Ordered Date Spanning: most recent 2 Year(s) Line Type * Exclude * Charge, Tax, Discount

Display Options Edit Min/Max rows: 3/8

Detail View

Expand Next Level

At lowest level

Select Level, Values:

Line Type (all)

Catalog Item

Non-Catalog Item

Select Others...

Select Search Filter...

Move Field

Left

Right

Show Field On

Requester	Order Id	Ordered Date	PO Line Number	Line Type	Description	ERP Supplier	Unit of Measure	PO Quantity	PO Unit Price (USD)	PO Spend (USD)	Discount Amount (USD)	Charge Amount (USD)
Total								2,078.82	569.7593	1,184,643.75	-713.75	234.81
Venu Kotagiri	PO68	1/13/2017	1	Catalog Item	Consultation	IL Office Supplies	hour	1,000.00	15.0000	15,000.00	0.00	0.00
	PO22	12/14/2016	1	Catalog Item	Consultation	IL Office Supplies	hour	160.00	100.0000	16,000.00	0.00	0.00

Purchase Order Report With Tax Data

Line Type with Description column showing tax data by tax authority level

Detail View ▾												
Line Type	Description	ERP Supplier	Unit of Measure	PO Quantity ↓	PO Unit Price (USD)	PO Spend (USD)	Discount Amount (USD)	Charge Amount (USD)	Tax Amount (USD)	Gross Amount (USD)	Number Accepted	
				2,078.82	569.7593	1,294,869.92	-713.75	234.81	222,454.58	1,516,845.56	650.00	
Catalog Item ▾	Consultation ▾	IL Office Supplies	hour	1,000.00	15.0000	15,000.00	0.00	0.00	1,275.00	16,275.00	0.00	
Tax ▾	State Sales/Use ▾	IL Office Supplies	hour	0.00		900.00	0.00	0.00	900.00	1,800.00	0.00	
Tax ▾	District Sales/Use ▾	IL Office Supplies	hour	0.00		187.50	0.00	0.00	187.50	375.00	0.00	
Tax ▾	City Sales/Use ▾	IL Office Supplies	hour	0.00		187.50	0.00	0.00	187.50	375.00	0.00	
Catalog Item ▾	Consultation ▾	IL Office Supplies	hour	160.00	100.0000	16,000.00	0.00	0.00	0.00	16,000.00	160.00	
Non-Catalog Item ▾	Tax Test ▾	IL Office Supplies	each	100.00	10.0000	1,000.00	0.00	0.00	0.00	1,000.00	50.00	
Catalog Item ▾	Print Supplies ▾	IL Office Supplies	each	100.00	100.0000	10,000.00	0.00	0.00	825.00	10,825.00	1.00	
Tax ▾	State Sales/Use ▾	IL Office Supplies	each	0.00		625.00	0.00	0.00	625.00	1,250.00	0.00	
Tax ▾	City Sales/Use ▾	IL Office Supplies	each	0.00		100.00	0.00	0.00	100.00	200.00	0.00	
Tax ▾	District Sales/Use ▾	IL Office Supplies	each	0.00		100.00	0.00	0.00	100.00	200.00	0.00	
Catalog Item ▾	Photo Copier2 ▾	IL Office Supplies	each	90.00	3,000.0000	270,000.00	0.00	0.00	22,275.00	292,275.00	13.00	

Report can be exported to user's system. SAP ARIBA solution exports the data in pivot table (export file type can be configured. The option to do so is available under > **Actions** > **Configure Export**).

1. Click on Export button
2. System would process export in 6 automatic steps as shown in below screenshot. Once completed, an Excel file will be opened on User's computer system with report data

Exporting to Excel template Return to Report

Your data is being exported. If you are asked to enable **ActiveX**, respond **Yes**. Otherwise, your data cannot be exported to Excel.

1. Contacting Excel
- 2. Downloading template**
3. Waiting for query
4. Downloading data
5. Configuring layout
6. Done

Return to Report

Purchase Order Report With Tax Data

A	B	C	D	E	F	G	
1	PC Total						
2	This Worksheet Will Contain Data Populated From Ariba Spend Management.						
3	PO Quantity	PO Unit Pri	PO Spend (USD)	Discount Amount (USD)	Charge Amount (USD)	Tax Amount (USD)	Gross Amount
4	To: Query Parameters: Range "Ariba_Data_Params"						
5	Source Data	Purchase Order (Procurement & Invoicing)					
6	Fixed Columns	FALSE					
7	Query Filters						
8	Field Mappings						
9	Raw Field Names	Requester,UserName,OrderID,OrderedDate,Day,POLineNumber,LineType,Description,Supplier,SupplierName,UnitOfMeasure,					
10	Sort Fields						
11							
12	Data Table: Range "Ariba_Data"						
13							
14	Requester	Order Id	Ordered Date	PO Line Number	Line Type	Description	Supplier - I
15	Rob Montanez	PO243	5/23/2017 1		Catalog Item	OfficeProDesktopComputer	Office Produ
16	George Compton	PO259	6/8/2017 1		Catalog Item	Photocopier-3001PCS	IL Office Sup
17	Venu Kotagiri	PO108	3/15/2017 2		Catalog Item	IT EquipmentService	IL Office Sup
18	Venu Kotagiri	PO51	1/10/2017 1		Catalog Item	Photo Copier2	IL Office Sup
19	Venu Kotagiri	PO30	12/18/2016 1		Non-Catalog Item	IR failure test 12/18	IL Office Sup
20	Venu Kotagiri	PO38	12/22/2016 1		Catalog Item	Photo Copier2	IL Office Sup
21	Venu Kotagiri	PO134	3/23/2017 1		Catalog Item	Multi-Purpose Photocopier-3001PCA	IL Office Sup
22	Venu Kotagiri	PO104	3/9/2017 1		Catalog Item	Photocopier-3001PCS	IL Office Sup
23	Venu Kotagiri	PO24	12/15/2016 1		Catalog Item	Photo Copier2	IL Office Sup
24	Venu Kotagiri	PO172	4/18/2017 1		Catalog Item	3001PCAlnkCatridge	IL Office Sup
25	Venu Kotagiri	PO165	4/18/2017 1		Non-Catalog Item	demo non catalog	Office Produ
26	Venu Kotagiri	PO18	12/13/2016 1		Catalog Item	Photo Copier2	IL Office Sup
27	Venu Kotagiri	PO25	12/22/2016 1		Catalog Item	Photo Copier2	IL Office Sup

INVOICE REPORT WITH TAX DATA

Tax data is captured on Invoice approvable during transaction processing. SAP ARIBA Procurement solution provides reports on Invoice spend with tax data.

Navigation for accessing Invoice report with tax data:

1. Log in to SAP ARIBA Procurement Solution
2. Navigate to Manage > Prepackaged Reports > Buyer Settlement Reports > Click on Open on the pull-down menu
3. System would display all reports related to Invoice
4. Click on report Invoice spend with charges and taxes details > Click on Open on the pull-down menu
5. System would display Invoice spend with charges and taxes details report

Reporting Invoice Spend with Charges and Taxes Edit Save... Export Actions

Field Browser Page Others

Pivot table Chart Dashboard

Applied Filters
 728.82 Accounting Date Spanning: most recent 2 Year(s)
 Line Type Catalog Item

Display Options Edit
 Min/Max rows: 3/8

Detail View

ERP Supplier	Invoice ID	Accounting Date	Invoice Line Number	Line Type	Part Name	Description	Commodity	Unit of Measure	Tax Code Name	Tax Code ID
Total										
IL Office Supplies	IRservice test PO22/RC25-29	12/14/2016	1	Catalog Item	(3001_IT Consultation 3001) State Sales/Use	Consultation	Organizational structure consultation	hour	Unclassified	Uncl
	IRIRFailureTest2_12/18-47	12/18/2016	1	Catalog Item	(3001_PrintSupplies 3001) State Sales/Use	Print Supplies	Printer and facsimile and photocopier supplies	each	IDT Fallback Self Accrual Input Tax	ZZ
	IR/zero exception test-152	2/11/2017		Catalog	(3001_IT		Information technology		IDT Fallback	

The standard report shows tax relevant reportingd fields like Tax Code ID, Tax Code Description, Tax Amount and Tax Authority (Line Type) but to analyze tax exceptions and tax accrual data, user can add more required fields by following below steps:

Invoice Report With Tax Data

1. Click on Edit button (top, right side of the page)

Invoice Spend with Charges and Taxes

[Edit](#) [Save...](#) [Export](#) [Actions](#)

Pivot table Chart Dashboard

Applied Filters

728.82 Accounting Date Spanning: most recent 2 Year(s) Display Options Edit
Min/Max rows: 3/8

Line Type Catalog Item

Detail View

ERP Supplier	Invoice ID	Accounting Date	Invoice Line Number	Line Type	Part Name	Description	Commodity	Unit of Measure	Tax Code Name	Tax Code Id
IL Office Supplies	IRservice test PO22/RC25-29	12/14/2016	1	Catalog Item	(3001_IT Consultation 3001) State Sales/Use	Consultation	Organizational structure consultation	hour	Unclassified	Uncl.

2. User would be presented with Edit UI > Click on Source Data

Edit Analysis Invoice Spend with Charges and Taxes

[Previous](#) [Done](#) [Save](#)

Filter the data in your report by selecting values for the fields below. All reports include a date field filter. To select a different date field to use as a filter, select **Advanced Options**. For [More](#)

Accounting Date (Calendar): * ☐ Relative date range

Time period: Year(s)

Most recent 2 time periods

Future 0 time periods

☒ Fixed date range from: 4/1/2017 to: 6/30/2017

☒ Automatically adjust the range to include complete months

☐ Advanced Options

Line Type: Catalog Item

[Customize this form](#)

[Show Report Query](#)

3. Source Data UI presented with options to edit source data

Invoice Report With Tax Data

Edit Analysis Invoice Spend with Charges and Taxes Next Done

Enter a title for your report, select a data source to investigate from the **Main Fact** pull-down menu, and add at least one data field to the **Data** area of the pivot layout. To create a multi- [More](#)

1 Source Data

Title: * Invoice Spend with Charges and Taxes

Description: Invoice Spend with Charges and Taxes

Report Currency: User Preference

Data Sources

Main Fact: * Invoice

Second Fact: (None selected)

Third Fact: (None selected)

Available Measures

▼ Pre-defined

- Measures in Original Currency
- Standard Calculations
- Age (Days) ▼
- Amount Accepted (USD) ▼
- Amount Disputed (USD) ▼
- Amount Invoiced (USD) ▼

Create User-defined Field

Page Fields

Column Fields

Row Fields

- ERP Supplier
- Invoice ID
- Accounting Date
- Invoice Line Number
- Line Type

▼ Data

- Invoice Quantity
- Invoice Unit Price (USD)
- Invoice Spend (USD)
- Discount Amount (USD)
- Charge Amount (USD)
- Tax Amount (USD)

▼ Detail Fields

- Part Name
- Description
- Commodity
- Unit of Measure
- Tax Code Name
- Tax Code Id
- Tax Code Description

4. Available Measures section gets updated with Purchase Order related fields

Available Measures All ▼

- Line Count ▼
- Paid Amount (USD) ▼
- Split Count ▼
- Sum of Paid Payment ▼
- Tax Accrual Amount (USD) ▼
- Purchase Order
- ▼ User-defined

Create User-defined Field

Page Fields

Column Fields

Row Fields

- ERP Supplier
- Invoice ID
- Accounting Date
- Invoice Line Number
- Line Type

▼ Data

- [INV] Invoice Quantity
- [INV] Invoice Unit Price (USD)
- [INV] Invoice Spend (USD)
- [INV] Discount Amount (USD)

5. Click on Purchase Order pull down menu > Select Tax Amount > Click on Add to Report

The screenshot shows the 'Available Measures' panel on the left and the 'Page Fields' panel on the right. In the 'Available Measures' panel, the 'Tax Amount (USD)' and 'Tax Amount Invoiced' measures are highlighted in a red box. The 'Page Fields' panel shows a list of fields, including 'Data' and 'Detail Fields' sections.

Available Measures	Page Fields
Price Variance Cost (USD) ▾	Row Fields
Serviced Amount Approved (USD) ▾	ERP Supplier
Serviced Amount in Approval (USD) ▾	Invoice ID
Split Count ▾	Accounting Date
Tax Amount (USD) ▾	Invoice Line Number
Tax Amount Invoiced (USD) ▾	Line Type
User-defined	▼ Data
Create User-defined Field	[INV] Invoice Quantity
	[INV] Invoice Unit Price (USD)
	[INV] Invoice Spend (USD)
	[INV] Discount Amount (USD)
	[INV] Charge Amount (USD)
	[INV] Tax Amount (USD)
	▼ Detail Fields
	Part Name
	Description
	Commodity
	Unit of Measure
	Tax Code Name

6. Select next field Tax Amount Invoiced > Click Add to Report

The screenshot shows the 'Available Measures' panel on the left and the 'Page Fields' panel on the right. In the 'Available Measures' panel, the 'Tax Amount (USD)' and 'Tax Amount Invoiced' measures are highlighted in a red box. The 'Page Fields' panel shows a list of fields, including 'Data' and 'Detail Fields' sections.

Available Measures	Page Fields
Price Variance Cost (USD) ▾	Row Fields
Serviced Amount Approved (USD) ▾	ERP Supplier
Serviced Amount in Approval (USD) ▾	Invoice ID
Split Count ▾	Accounting Date
Tax Amount (USD) ▾	Invoice Line Number
Tax Amount Invoiced (USD) ▾	Line Type
User-defined	▼ Data
Create User-defined Field	[INV] Invoice Quantity
	[INV] Invoice Unit Price (USD)
	[INV] Invoice Spend (USD)
	[INV] Discount Amount (USD)
	[INV] Charge Amount (USD)
	[INV] Tax Amount (USD)
	▼ Detail Fields
	Part Name
	Description
	Commodity
	Unit of Measure
	Tax Code Name

7. Scroll up > Click on **Invoice** pull down option > Select Amount Accepted, Amount Disputed, and Amount Invoiced fields (click on field, then click on Add to Report; repeat for each field).

Available Measures All ▼

▼ Invoice

► Measures in Original Currency

► Standard Calculations

Age (Days) ▼

Amount Accepted (USD) ▼

Amount Disputed (USD) ▼

Amount Invoiced (USD) ▼

Create User-defined Field

8. Add **Tax Accrual Amount** field (Click on the field > click on Add to Report option on pull down menu).

Available Measures All ▼

Line Count ▼

Paid Amount (USD) ▼

Split Count ▼

Sum of Paid Payment ▼

Tax Accrual Amount (USD) Action

▼ Purchase Order Add to Report

► Measures in Original Currency

Amount Accepted in Original Currency =

Create User-defined Field

Page Fields

Column Fields

Row Fields

[INV] ERP Supplier

[INV] Invoice ID

[INV] Accounting Date

[INV] Invoice Line Number

[INV] Line Type

▼ Data

[INV] Invoice Quantity

[INV] Invoice Unit Price (USD)

[INV] Invoice Spend (USD)

[INV] Discount Amount (USD)

[INV] Charge Amount (USD)

[INV] Tax Amount (USD)

[PO] Tax Amount (USD)

9. The fields user selected all are added to report structure.

The screenshot shows the 'Column Fields' section of a report configuration tool. On the left, there are categories like 'Measures in Original Currency' and 'Standard Calculations'. The main area on the right is titled 'Column Fields' and contains a list of fields under the 'Data' section. A red box highlights the following fields: [PO] Tax Amount (USD), [PO] Tax Amount Invoiced (USD), [INV] Amount Invoiced (USD), [INV] Amount Accepted (USD), and [INV] Amount Disputed (USD). Other fields visible include [INV] ERP Supplier, [INV] Invoice ID, [INV] Accounting Date, [INV] Invoice Line Number, [INV] Line Type, [INV] Invoice Quantity, [INV] Invoice Unit Price (USD), [INV] Invoice Spend (USD), [INV] Discount Amount (USD), [INV] Charge Amount (USD), and [INV] Tax Amount (USD).

10. To change the positioning of the fields on report display, click on the field pull down arrow > select either move up and move down option to create desired order of the fields

The screenshot shows a context menu that appears when a field is selected in the 'Column Fields' list. The menu options are: Action, Remove, Move Up, Move Down, and Edit ... A red box highlights the menu and the fields it applies to, which are: [INV] Tax Amount (USD), [PO] Tax Amount (USD), [PO] Tax Amount Invoiced (USD), [INV] Amount Invoiced (USD), [INV] Amount Accepted (USD), and [INV] Amount Disputed (USD). Below the menu, other fields like [INV] Tax Code Name, [INV] Tax Code Id, and [INV] Tax Code Description are visible.

11. Once desired editing is completed, click on Done button.

Invoice Report With Tax Data

Edit Analysis Invoice Spend with Charges and Taxes Next Done

Enter a title for your report, select a data source to investigate from the **Main Fact** pull-down menu, and add at least one data field to the **Data** area of the pivot layout. To create a multi- [More](#)

1 Source Data

2 Pivot Layout

3 Refine Data

Title: * Invoice Spend with Charges and Taxes

Description: Invoice Spend with Charges and Taxes

Report Currency: User Preference ▾

Data Sources

12. System would display the report.

Reporting Invoice Spend with Charges and Taxes Edit Save... Export Actions ▾

Field Browser Page Others

Pivot table Chart Dashboard

Applied Filters

- Accounting Date Spanning: 4/1/2017 -- 6/30/2017
- [INV] Line Type Catalog Item

Display Options Edit
Min/Max rows: 3/8

Detail View ▾

[INV] ERP Supplier	[INV] Invoice ID	[INV] Accounting Date	[INV] Invoice Line Number	[INV] Line Type	[INV] Part Name	[INV] Description	[INV] Commodity	[INV] Unit of Measure	[INV] Tax Code Name	[INV] Tax Code Id	[INV] Cc De
Total											
DE Spare Parts ▾	IRRecal.Tax-365 ▾	4/19/2017 ▾	1 ▾	Catalog Item ▾	(3013_Photocopier 3013) Photo Copier ▾	Photo Copier	Photocopiers	each	IDT Standard Output TAX	A1	
ERS vendor ▾	IRInv-CR10-394 ▾	4/21/2017 ▾	1 ▾	Catalog Item ▾	(3010 3010) TestCR1 ▾	TestCR1	Ink cartridges	each	IDT fallback output tax	XX	
		4/26/2017		Catalog Item ▾	(41610 3010) State		Information technology		IDT Standard		

13. Click on Line Type > Select Line Type (All) option. (This can be also done on Source Data UI Page > Line Type pull down menu).

Invoice Spend with Charges and Taxes												Edit	Save...	Export	Actions ▼
Pivot table Chart Dashboard															
Applied Filters ■ ... Accounting Date Spanning: 4/1/2017 -- 6/30/2017 [INV] Line Type Catalog Item												Display Options Edit Min/Max rows: 3/8			
												Detail View ▼			
[INV] ERP Supplier	[INV] Invoice ID	[INV] Accounting Date	[INV] Invoice Line Number	[INV] Line Type	[INV] Part Name	[INV] Description	[INV] Commodity	[INV] Unit of Measure	[INV] Tax Code Name	[INV] Tax Code Id	[INV] Tax Code De				
Total															
DE Spare Parts ▼	IRRecal.Tax-365 ▼	4/19/2017 ▼	1 ▼	✓	Catalog Item (3013_Photocopier 3013) Photo Copier ▼	Photo Copier	Photocopiers	each	IDT Standard Output TAX	A1					

Invoice Spend with Charges and Taxes												Edit	Save...	Export	Actions ▼
Pivot table Chart Dashboard															
Applied Filters ■ ... Accounting Date Spanning: 4/1/2017 -- 6/30/2017 [INV] Line Type Catalog Item												Display Options Edit Min/Max rows: 3/8			
												Detail View ▼			
[INV] ERP Supplier	[INV] Invoice ID	[INV] Accounting Date	[INV] Invoice Line Number	[INV] Line Type	[INV] Part Name	[INV] Description	[INV] Commodity	[INV] Unit of Measure	[INV] Tax Code Name	[INV] Tax Code Id	[INV] Tax Code De				
Total															

Invoice Report With Tax Data

14. Move columns left or right, scroll left or right to check the data. Line Type and Description fields show the authority level tax information. Scroll right to check relevant Tax amounts.

[INV] Invoice Line Number	[INV] Line Type	[INV] Description	[INV] Part Name	[INV] Commodity	[INV] Unit of Measure	[INV] Tax Code Name	[INV] Tax Code Id	[INV] Tax Code Description	[INV] Invoice Quantity	[INV] Invoice Unit Price (USD)
3	State Sales/Use	Sales or use taxes levied by a state (auto-generated)	Unclassified	Ink cartridges	Unclassified	IDT fallback output tax	XX	Unclassified	0.00	
4	County Sales/Use	Sales or use taxes levied by a county (auto-generated)	Unclassified	Ink cartridges	Unclassified	IDT fallback output tax	XX	Unclassified	0.00	
1	Catalog Item	MilestoneTest	(UELC_3010 3010) State Sales/Use	Information technology consultation services	hour	IDT Standard Output TAX Exempt	A0	Unclassified	1.00	100.0000
2	State Sales/Use	Sales or use taxes levied by a state (auto-generated)	Unclassified	Information technology consultation services	Unclassified	IDT Standard Output TAX Exempt	A0	Unclassified	0.00	
3	County Sales/Use	Sales or use taxes levied by a county (auto-generated)	Unclassified	Information technology consultation services	Unclassified	IDT Standard Output TAX Exempt	A0	Unclassified	0.00	
1	Catalog Item	TestCR1	(3010 3010) TestCR1	Ink cartridges	each	IDT Standard Output TAX	A1	Unclassified	1.00	25.0000
2	State Sales/Use	Sales or use taxes levied by a state - line level	Unclassified	Ink cartridges	each	IDT Standard Output TAX	A1	Unclassified	0.00	
3	City Sales/Use	Sales or use taxes levied by a city - line level	Unclassified	Ink cartridges	each	IDT Standard Output TAX	A1	Unclassified	0.00	

[INV] Tax Code Description	[INV] Invoice Quantity	[INV] Invoice Unit Price (USD)	[INV] Invoice Spend (USD)	[INV] Discount Amount (USD)	[INV] Charge Amount (USD)	[PO] Tax Amount (USD)	[INV] Tax Amount (USD)	[PO] Tax Amount Invoiced (USD)	[INV] Amount Invoiced (USD)	[INV] Amount Accepted (USD)	[INV] Amount Disputed (USD)	[INV] Tax Accrual Amount (USD)
Unclassified	0.00		1.50	0.00	0.00	2.13	1.50	2.13	0.25	1.50	-1.25	1.25
Unclassified	0.00		0.31	0.00	0.00	2.13	0.31	2.13	0.25	0.31	-0.06	0.06
Unclassified	0.00		0.32	0.00	0.00	2.13	0.32	2.13	0.25	0.32	-0.07	0.07
Unclassified	1.00	25.0000	25.00	0.00	0.00	2.13	2.13	2.13	25.00	25.00	0.00	0.00
Unclassified	0.00		0.50	0.00	0.00	0.32	0.00	0.00	0.50	0.50	0.00	0.00
Unclassified	0.00		1.50	0.00	0.00	2.13	1.50	2.13	0.00	1.50	0.00	0.00
Unclassified	0.00		0.32	0.00	0.00	2.13	0.32	2.13	0.00	0.32	0.00	0.00
Unclassified	0.00		0.31	0.00	0.00	2.13	0.31	2.13	0.00	0.31	0.00	0.00

15. To work on this data in an excel file > Click on Export (Export function has options to choose file type and other download and display options which is beyond the scope of this document)

Reporting Invoice Spend with Charges and Taxes

Edit Save... **Export** Actions

Field Browser

Page Others

Pivot table Chart Dashboard

Applied Filters

114.82 Accounting Date Spanning: 4/1/2017 -- 6/30/2017

Display Options Edit Min/Max rows: 3/8

Detail View

	[INV] Tax Code Description	[INV] Invoice Quantity	[INV] Invoice Unit Price (USD)	[INV] Invoice Spend (USD)	[INV] Discount Amount (USD)	[INV] Charge Amount (USD)	[PO] Tax Amount (USD)	[INV] Tax Amount (USD)	[PO] Tax Amount Invoiced (USD)	[INV] Amount Invoiced (USD)	[INV] Amount Accepted (USD)	[INV] Amount Disputed (USD)	[INV] Tax Accrual Amount (USD)
Unclassified	0.00			1.50	0.00	0.00	2.13	1.50	2.13	0.25	1.50	-1.25	1.25
Unclassified	0.00			0.31	0.00	0.00	2.13	0.31	2.13	0.25	0.31	-0.06	0.06
Unclassified	0.00			0.32	0.00	0.00	2.13	0.32	2.13	0.25	0.32	-0.07	0.07

16. System would perform 6 steps to prepare and download data in to excel file.

Exporting to Excel template

Return to Report

Your data is being exported. If you are asked to enable **ActiveX**, respond **Yes**. Otherwise, your data cannot be exported to Excel.

1. Contacting Excel
- 2. Downloading template**
3. Waiting for query
4. Downloading data
5. Configuring layout
6. Done

Return to Report

Invoice Report With Tax Data

17. When all steps are completed, excel file will be opened.

[INV] Supplier (ERP Supplier)	[INV] Invoice ID	[INV] Accounting Date (Date)	[INV] Invoice Line Number	[INV] Line Type
IL Office Supplies	IRRM-05-05-2017-OVER-459	5/8/2017	5	Catalog Item
IL Office Supplies	IRRM-05-05-2017-OVER-459	5/8/2017	7	District Sales/Use
IL Office Supplies	IRRM-05-05-2017-OVER-459	5/8/2017	3	City Sales/Use
IL Office Supplies	IRRM-05-05-2017-UNDER-460	5/8/2017	2	City Sales/Use
IL Office Supplies	IRRM-05-05-2017-UNDER-460	5/8/2017	4	District Sales/Use
IL Office Supplies	IRRM-05-05-2017-OVER-459	5/8/2017	1	Catalog Item
IL Office Supplies	IRRM-05-05-2017-OVER-459	5/8/2017	4	District Sales/Use
ERS vendor	IRv_test1111-421	4/25/2017	4	County Sales/Use
Office Products GB	IRTR_VI_INV_Demo1-370	4/20/2017	1	Catalog Item
Office Products GB	IRv_test1111-421	4/18/2017	1	Catalog Item
Office Products GB	IRv_test1111-421	4/25/2017	1	Catalog Item
IL Office Supplies	IR123444-333	4/13/2017	1	Catalog Item
IL Office Supplies	IR2345566543-346	4/17/2017	1	Catalog Item
IL Office Supplies	IR12455-342	4/14/2017	1	Catalog Item
Office Products GB	IRv_test1111-421	4/20/2017	1	Catalog Item

This file can be manipulated further to display data as desired by user. Pivot table can be updated or formulas can be added to analyze the data further. Below sample file downloaded from customized report showing tax authorities, PO tax Amount vs. Tax amount on Invoice and Tax Accrual data which can be further manipulated based on requirement.

[INV] Supplier (ERP Supplier)	[INV] Invoice ID	[INV] Line Type	[INV] Tax Code (Tax Code Name)	[INV] Tax Code Id	sum(Tax Amount Invoiced)	sum(Amount Invoiced)	sum(Amount Accepted)	sum(Amount Disputed)	sum(Tax Accrual Amount)	Sample
IL Office Supplies	IRRM-05-05-2017-OVER-459	Catalog Item	IDT Standard Output TAX	A1	2.48	30.00	30.00	0.00	0.00	add formula here
IL Office Supplies	IRRM-05-05-2017-OVER-459	District Sales/Use	IDT Standard Output TAX	A1	2.48	0.60	0.30	0.30	0.00	
IL Office Supplies	IRRM-05-05-2017-OVER-459	City Sales/Use	IDT Standard Output TAX	A1	412.50	75.00	50.00	25.00	0.00	
IL Office Supplies	IRRM-05-05-2017-UNDER-460	City Sales/Use	IDT Standard Output TAX	A1	850.00	200.00	125.00	75.00	0.00	
IL Office Supplies	IRRM-05-05-2017-UNDER-460	District Sales/Use	IDT Standard Output TAX	A1	850.00	200.00	125.00	75.00	0.00	
IL Office Supplies	IRRM-05-05-2017-OVER-459	Catalog Item	IDT Standard Output TAX	A1	412.50	5,000.00	5,000.00	0.00	0.00	
IL Office Supplies	IRRM-05-05-2017-OVER-459	District Sales/Use	IDT Standard Output TAX	A1	412.50	75.00	50.00	25.00	0.00	
ERS vendor	IRv_test1111-421	County Sales/Use	Unclassified	Unclassified	0.00	0.25	0.25	0.00	0.00	
Office Products GB	IRTR_VI_INV_Demo1-370	Catalog Item	IDT Standard Input TAX	V1	125.00	625.00	625.00	0.00	0.00	
Office Products GB	IRv_test1111-421	Catalog Item	IDT Standard Input TAX	V1	225.00	1,125.00	1,125.00	0.00	0.00	
Office Products GB	IRv_test1111-421	Catalog Item	IDT Standard Input TAX	V1	148.40	742.00	742.00	0.00	0.00	
IL Office Supplies	IR123444-333	Catalog Item	IDT Standard Output TAX	A1	0.00	3,000.00	3,000.00	0.00	0.00	
IL Office Supplies	IR2345566543-346	Catalog Item	IDT Standard Output TAX	A1	412.50	5,000.00	5,000.00	0.00	0.00	

APPENDIX III

XSD CHANGES TO EXTERNAL WEB SERVICES

When SAP Ariba makes changes to Import/Export Files or Web Services format, Customers need to review, accept the changes and publish all changes accepted to apply the changes introduced. This is SAP Ariba standard process and applies to external tax calculation web service task “Export Document Data for External Tax Calculation”.

Please follow below steps to review, accept and publish changes made to task Export Document Data for External Tax Calculation.



1. It is recommended to consult SAP Ariba Customer Support and Thomson Reuters Professional Services before making decision to accept XSD changes. And remember that upgrade cannot be reverted to SAP Ariba Platform limitation on for this feature so careful consideration is required before upgrading to new XSD.
2. New SAP Ariba Buying solutions Customers with solution having Service pack SSP.2017.Rel-9535/Release Number SSP.2017.09 would have Tax API with new XSD as default so can ignore this section.

NEW WSDL ELEMENTS ON API2

Request Type:

This is a new element that has been added at Document header level. This element has two unique status values: Tax Calculation or ERP Posting Call

TaxCalculation call - seen on tax calculation request

ERPPosting call – This is a second call on SAP Ariba Invoice Reconciliation document after successful Invoice reconciliation and before OK2PAY is sent to Buyer's backend ERP system.

Line1,Line2,Line3 address elements:

Line1, Line2 and Line3 elements is now added to Bill to, Ship to, SupplierLocation,ShipFrom address collections.

LineType:

This is a number (type:Integer) in SAP Ariba Buying Solution which indicates type of a document line. Tax calculation request would have this new element indicating what is type of document line (ex: Tax, Material, etc). SAP Ariba would provide list;

OriginalSupplierAmount:

This collection is added at two places.

1. Under LinelItem→Item→OriginalSupplierAmount. This would show total tax amount charged by Vendor
2. Under LinelItem→Item→Taxes (block gets repeated for each tax type if Vendor entered taxes at granular level on Invoice)→item→OriginalSupplierAmount. This would show the tax amount charged by Vendor by tax type (if Vendor submitted Invoice with granular taxes).

Taxes:

This block is seen on ERPPostingCall (RequestType=ERPPosting) This section would have TaxType, OriginalSupplierAmount collection (elements: Amount, Currency), FinalAmount collection (elements: Amount, Currency) This block should get repeated for each tax type (if Vendor entered taxes at granular level on Invoice).

ShipFrom:

This is new address element (collection) added to show the ShipFrom address from where goods are shipped. This would have PostalAddress collection (elements city,country,Line1,Line2,Line3, PostalCode,State.In previous version the SupplierLocation which may not be actual ship from location.

PostingComponent:

The posting component is similar to ExternalTaxItem in previous versions and will be populated on Ariba Tax response for posting call.PostingInstruction would have <Name> and <Value> element pair which would be populated with TaxAccountKey/AccountInstruction and corresponding value respectively.

DocumentSubType:

This new element is introduced on tax calculation request to classify invoice types including Standard invoice, Line-item Credit memo and Line-item Debit Memo.

RelatedDocument:

This is the unique SAP Ariba IR number for which Line-item Credit or Debit memo is created. This reference number is provided on tax calculation request for either Line-item Credit or Debit memo.

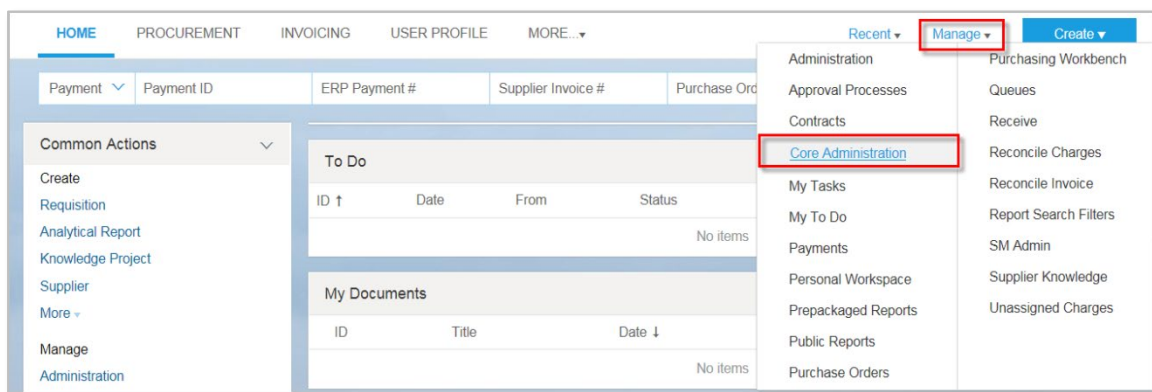
RelatedDocumentDate

This new field captures the posting date of the related document.

REVIEWING AND ACCEPTING CHANGES

Navigation:

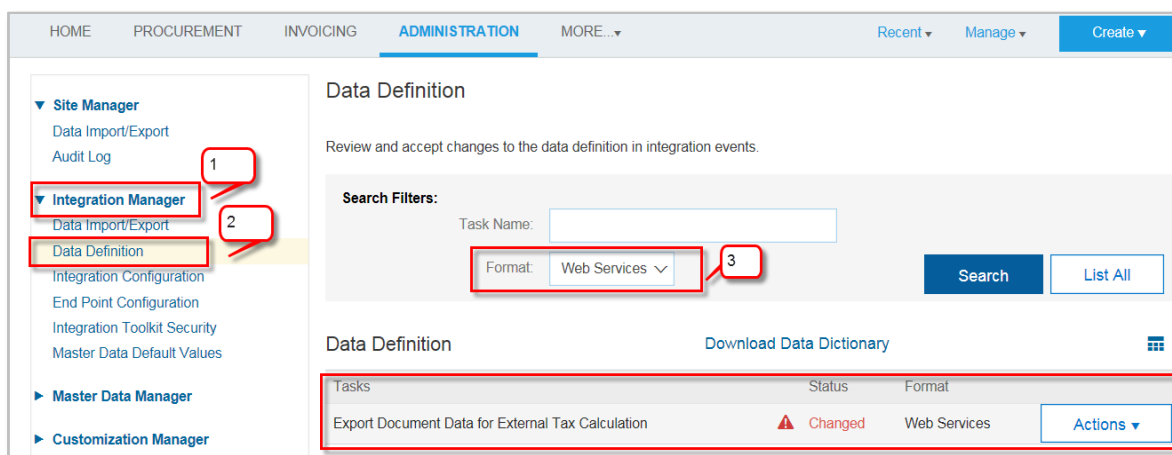
1. Log in to SAP Ariba Buying Solution
2. On Home screen navigate to Manage > Core Administrator



3. Go to > Integration Manager > Data Definition > Select Web Services from Format drop-down menu and click on Search button

Note: if there are more than one web services configured, user can search for specific task by entering **Export Document Data for External Tax Calculation** in Task Name input field

Result: System would display integration task with status Changed as shown in below screen shot



5. Click on **Action** button and select option **Review** as shown in the screenshot

Data Definition

Review and accept changes to the data definition in integration events.

Search Filters:

Task Name:

Format:

[Search](#) [List All](#)

Data Definition [Download Data Dictionary](#)

Tasks	Status	Format	
Export Document Data for External Tax Calculation	Changed	Web Services	Actions ▾ Review

System would show the list of groups under 'Export Document Data for External Tax Calculation' integration event.

There would be two groups like **ProcureLineItemCollection_TaxServiceAPIRequest** and **ProcureLineItemCollection_TaxServiceAPIResponse** which would show the Status as **Needs Review** **Publish All Changes** in active

Export Document Data for External Tax Calculation [Publish All Changes](#) [Exit](#)

Review and accept the changes for each group of fields that needs review, then publish all changes. You must accept all the changes before publishing.

Groups for 'Export Document Data for External Tax Calculation'

Group Names	Status
Money_Reference	No Change
ProcureLineItemCollection_TaxServiceAPIRequest	Needs Review
ProcureLineItemCollection_TaxServiceAPIResponse	Needs Review

Field Order for 'Money_Reference'

Position	Current Field	New Field	Description
1	Amount	Amount	
2	AmountInReportingCurrency	AmountInReportingCurrency	

6. Click on group **ProcureLineItemCollection_TaxServiceAPIRequest**. The section 'Field Order for **ProcureLineItemCollection_TaxServiceAPIRequest**' would show the fields under this group.

Scroll down to find the fields marked in red which has been newly added. Here, **Organization Unit** and **Organization Name** are new fields. Click on **Accept Changed Fields** button to accept the changes.

Group Names	Status
ProcureLineItemCollection_TaxServiceAPIRequest	Needs Review
ProcureLineItemCollection_TaxServiceAPIResponse	Needs Review

Position	Current Field	New Field	Description
31	LinItems.SupplierLocation.PostalAddress.State	LinItems.SupplierLocation.PostalAddress.State	
32	LinItems.TaxExclusion	LinItems.TaxExclusion	
33	Type	Type	
34	UniqueName	UniqueName	
35		OrganizationName	
36		OrganizationUnit	

Accept Changed Fields

7. Now click on another group '**ProcureLineItemCollection_TaxServiceAPIResponse**'. System would show the fields under this group. Scroll down to find the fields added newly in green color.

LinItems.ExternalTaxItem.AccountInstruction is a new field. Click on **Accept Changed Fields** button to accept the changes.

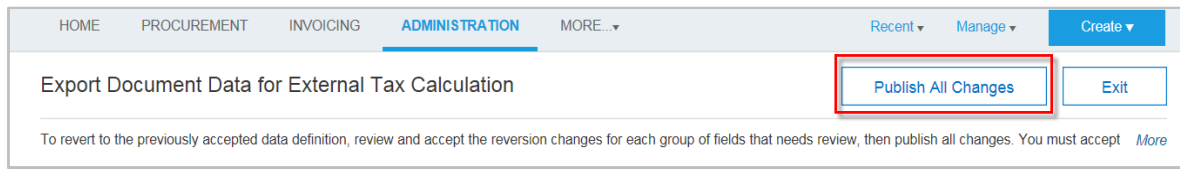
Group Names	Status
Money_Reference	No Change
ProcureLineItemCollection_TaxServiceAPIRequest	Needs Review
ProcureLineItemCollection_TaxServiceAPIResponse	Needs Review

Position	Current Field	New Field	Description
21	LinItems.ExternalTaxItem.TaxableAmount.Currency.UniqueName	LinItems.ExternalTaxItem.TaxableAmount.Currency.UniqueName	
22		LinItems.ExternalTaxItem.AccountInstruction	
23	LinItems.NumberInCollection	LinItems.NumberInCollection	
24	LinItems.TaxCode.Country.UniqueName	LinItems.TaxCode.Country.UniqueName	
25	LinItems.TaxCode.UniqueName	LinItems.TaxCode.UniqueName	
26	UniqueName	UniqueName	

Accept Changed Fields

8. As a final step, to make changes effective, click on **Publish All Changes** button on top (below Application Menu bar) as shown in the below screenshot.

XSD Changes To External Web Services



9. Once the changes are accepted and published, new fields turn in to red representing that fields were added. And field groups show the status as **Changes Accepted**

Group Names	Status
ProcureLineItemCollection_TaxServiceAPIRequest	Changes Accepted
ProcureLineItemCollection_TaxServiceAPIResponse	Changes Accepted

Field Order for 'ProcureLineItemCollection_TaxServiceAPIRequest'

Position	Current Field	New Field	Description
31	LinItems.SupplierLocation.PostalAddress.State	LinItems.SupplierLocation.PostalAddress.State	
32	LinItems.TaxExclusion	LinItems.TaxExclusion	
33	Type	Type	
34	UniqueName	UniqueName	
35	OrganizationName		
36	OrganizationUnit		

Accept Changed Fields

Groups for 'Export Document Data for External Tax Calculation'

Group Names	Status
ProcureLineItemCollection_TaxServiceAPIRequest	Changes Accepted
ProcureLineItemCollection_TaxServiceAPIResponse	Changes Accepted

Field Order for 'ProcureLineItemCollection_TaxServiceAPIResponse'

Position	Current Field	New Field	Description
21	LinItems.ExternalTaxItem.TaxableAmount.Currency.UniqueName	LinItems.ExternalTaxItem.TaxableAmount.Currency.UniqueName	
22	LinItems.ExternalTaxItem.AccountInstruction		
23	LinItems.NumberInCollection	LinItems.NumberInCollection	
24	LinItems.TaxCode.Country.UniqueName	LinItems.TaxCode.Country.UniqueName	
25	LinItems.TaxCode.UniqueName	LinItems.TaxCode.UniqueName	
26	UniqueName	UniqueName	

Finally, the data definition main UI page will show you web service task status as unchanged telling you that changes available are accepted and no more changes exists.

Data Definition


Review and accept changes to the data definition in integration events.

Search Filters:

Task Name:

Format:

Data Definition

[Download Data Dictionary](#)

Tasks	Status	Format	
Export Document Data for External Tax Calculation	Unchanged	Web Services	<input type="button" value="Actions"/>

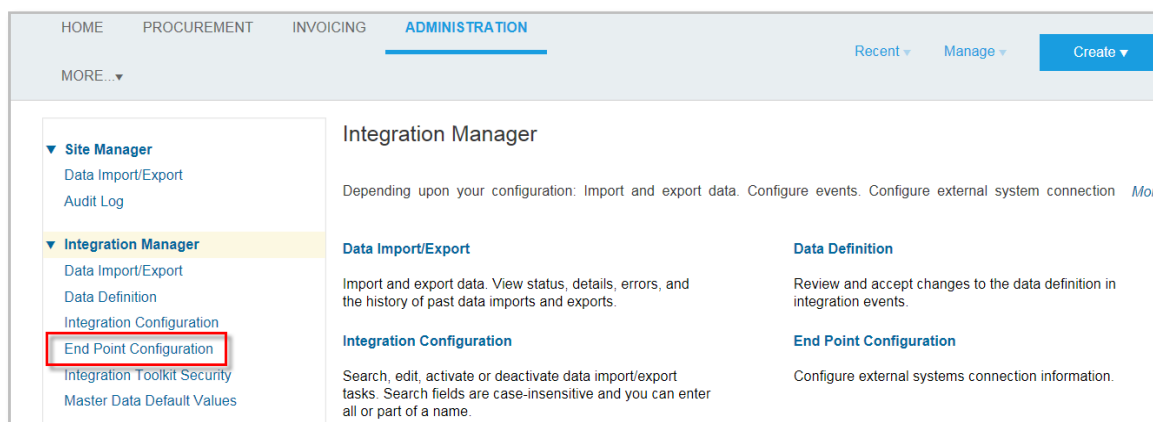
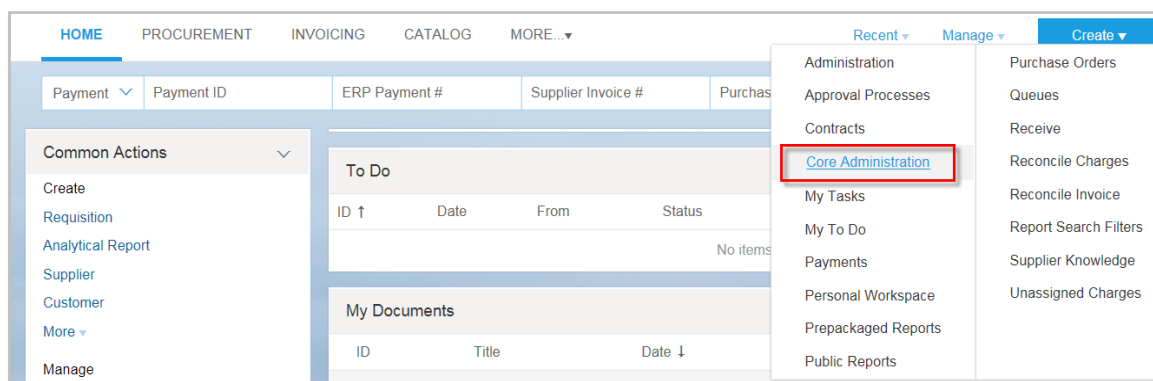
UPDATING ENDPOINT

In addition to upgrading to new XSD, Customers also need to update the End point URL for ONESOURCE Tax Web Service.

Users must be a member of Customer Administrator or Integration Admin to perform this activity.

To update endpoint URL, please follow below steps:

1. Log in to SAP Ariba Solution
2. Manage > Core Administrator > Integration Manager > End Point Configuration



3. Find endpoint to be updated and click search as shown in below screenshot

End Point Configuration

Search for existing end points or create new end points. Search fields are case-insensitive and you can enter all or part of a name.

Search Filters:

End Point:

Type: ☐ No Choice ☐ Inbound ☒ Outbound

Buttons: Search, List All, Add/Remove Search Filters

Name	Type
IndirectTax	Outbound

Buttons: Create New, Edit

4. When user clicks on Edit, system would offer endpoint UI in edit mode.

End Point Configuration - Edit End Point "IndirectTax"

Buttons: Save, Cancel

General

Specify end point information and specify either a Web Services Security certificate, an HTTP Authentication, none of them or both. Fields marked with * are required.

Name: *

Type: * ☐ Inbound ☒ Outbound

URL: *

5. Once Endpoint URL is updated click Save to complete the update.



Please check with Thomson Reuters Professional Service for updated End point URL

Updating endpoint also updates endpoint URL for integration event Export Document Data for External Tax Calculation

6. Verify if endpoint URL updated in Integration Task by following below steps

Manage > Core Administration > Integration Admin > Integration Configuration

Under Search Filters section, select ONESOURCE Endpoint from drop down menu and choose Status

Enabled as shown in below screenshot.

Integration Manager

- Data Import/Export
- Data Definition
- Integration Configuration**
- End Point Configuration
- Integration Toolkit Security
- Master Data Default Values

Master Data Manager

Customization Manager

User Manager

- Users
- Other User Info
- Groups
- Approval Queues
- Data Import/Export
- Delegations

Search Filters:

Task Name:

Format: (no value)

End Point: IndirectTax

Status: ☒ Enabled ☐ Disabled

Configuration

Tasks ↑	Format	Enabled	Supported Formats	
Export Document Data for External Tax Calculation <small>Exports data on approvable documents (such as requisitions and invoice reconciliations) to the external system for calculation of tax.</small>	Web Service	Yes	[Web Service]	<input type="button" value="Actions v"/>

3. Click on the task Export Document Data for External Tax Calculation hyper link shown under the Configuration section to check the updated endpoint URL.

View data import/export task

Activate or deactivate task, specify integration format and connectivity information.

Name: Export Document Data for External Tax Calculation [View WSDL](#)

Description: Exports data on approvable documents (such as requisitions and invoice reconciliations) to the external system for calculation of tax.

Status: Enabled

Format: Web Service

Type: Outbound to External System

End point: IndirectTax ⓘ

URL: * https://int-ariba-
uat.hostedtax.thomsonreuters.com/ExternalTRTaxService/TaxServiceExport/TaxServiceExport.wsdl