

Infor FACTS Sales Tax

Powered by AvaTax[™]

AvaTax Connector FACTS 7.5 – 9.4 User's Guide

Version 9.3.0 – August 2025

Avalara may have patents, patent applications, trademarks, copyrights, or other intellectual property rights governing the subject matter in this document. Except as expressly provided in any written license agreement from Avalara, the furnishing of this document does not give you any license to these patents, trademarks, copyrights, or other intellectual property.

© 2022 Avalara, Inc. All rights reserved.

© 2022 Sequoia Group, Inc. All rights reserved.

Avalara, AvaTax Calc, AvaTax Returns, Exemption Certificate Management, and AvaRates are either registered trademarks or trademarks of Avalara, Inc. in the United States or other countries.

All other trademarks are property of their respective owners



Contents

Table of Figures.....	4
INTRODUCTION.....	6
ACTIVATING YOUR AVALARA ACCOUNT: AN OVERVIEW.....	6
THE AVALARA CONNECTOR AND YOUR ERP: AN OVERVIEW.....	7
The FACTS AvaTax Connector Installation Process.....	7
How the AvaTax Connector works within FACTS.....	8
CONNECTOR ADMINISTRATION.....	9
AvaTax Control F/M (TXF990).....	10
AvaTax Control F/M – Settings Tab Field Definitions.....	10
AvaTax Control F/M – Options Tab Field Definitions.....	11
AvaTax Control F/M – ECM Tab Field Definitions.....	13
AvaTax Control F/M – Communications Tab Field Definitions.....	15
AvaTax Control F/M – Basis Tab Field Definitions.....	16
AvaTax Control F/M – Statistics Tab information.....	16
Options By State F/M.....	17
Branch Address F/M Field Definitions.....	18
AvaTax Tax Code F/M Field Definitions.....	19
Obsolete Tax Codes.....	20
AvaTax Entity/Use Code F/M Field Definitions.....	20
Customer/Item Configuration.....	21
Exemption Certificate Update.....	24
Calculate Taxes Option Definitions.....	25
Commit Invoices to AvaTax Option Definitions.....	25

AvaTax History Removal Options Definitions.....	26
Verified Addresses F/M Field Definitions.....	27
Verify Addresses Options Definitions.....	28
Address Verification Log Options Definitions.....	29
Post Past Invoices.....	30
Tax Detail Inquiry.....	31
Sales Tax Adjustment Register.....	32
THE CONNECTOR AND YOUR ERP.....	34
SO Static Control F/M Options.....	34
AR Invoice Processing Control	35
Customer File Maintenance Options.....	36
City Correction File Maintenance.....	36
Item File Maintenance Added Field Definitions.....	37
Item Class File Maintenance Field Definitions.....	38
AvaTax Tax Codes for rented items.....	39
Adjustment Code F/M Added Field Definitions.....	40
Ship Via File Maintenance Added Field Definitions.....	41
Service Code File Maintenance Added Field Definitions.....	42
Cash Receipts and Adjustment Entry Payment Screen.....	43
Cash Receipts and Adjustment Entry Tax Adjustment Screen.....	45
Sales Tax Register Screen.....	46
Quote Processing.....	46
Order Processing.....	47
Day End Processing.....	48

APPENDIX A - Avalara Support.....	49
APPENDIX B – Error Messages.....	50
APPENDIX C – Generic Tax Calculation.....	51
APPENDIX D – Features by FACTS Version.....	52
APPENDIX E – Partner Modification Hook Points.....	53
APPENDIX F - DOU100 Bug Fix.....	61
APPENDIX G – Software Port Assignments.....	62

Table of Figures

Figure 1 - Avalara Customer Center Log In Screen.....	7
Figure 2 – Sales Tax System Menu.....	9
Figure 3 – AvaTax Control F/M – Settings Tab.....	10
Figure 4 – AvaTax Control F/M – Options Tab.....	11
Figure 5 – AvaTax Control F/M – ECM Tab.....	13
Figure 6 – AvaTax Control F/M – Communications Tab.....	15
Figure 7 – AvaTax Control F/M – Basis Tab.....	16
Figure 8 – AvaTax Control F/M – Statistics Tab.....	16
Figure 9 – Options by State F/M.....	17
Figure 10 - Branch Address F/M.....	18
Figure 11 – AvaTax Tax Code F/M.....	19
Figure 12 – Obsolete Tax Codes.....	20
Figure 13 – AvaTax Entity Use Code F/M.....	20
Figure 14 – Customer/Item Configuration.....	21
Figure 15 – ECM/Entity Use Code Setting.....	22
Figure 16 - Exemption Certificate Update.....	24
Figure 17 – Calculate Taxes.....	25
Figure 18 – Commit Invoices to AvaTax.....	25
Figure 19 – AvaTax History Removal.....	26
Figure 20 – Verified Address F/M.....	27
Figure 21 – Verify Addresses.....	28
Figure 22 – Address Verification Log.....	29

Figure 23 – Post Past Invoices.....	30
Figure 24 – Tax Detail Inquiry.....	31
Figure 25 – Sales Tax Adjustment Register.....	32
Figure 26 – Sales Order Static Control F/M.....	34
Figure 27 – AR Invoice Processsing Control F/M.....	35
Figure 28 – Customer F/M.....	36
Figure 29 – City Correction F/M.....	36
Figure 30 – Item F/M.....	37
Figure 31 – Item Class F/M.....	38
Figure 32 – AvaTax Rental Item F/M.....	39
Figure 33 – Adjustment Code F/M.....	40
Figure 34 – Ship Via F/M.....	41
Figure 35 – Service Code F/M.....	42
Figure 36 – Cash Receipts and Adjustment Entry Option to Re-open a completed invoice.....	43
Figure 37 – Cash Receipts and Adjustment Entry Payment.....	44
Figure 38 – Cash Receipts and Adjustment Entry Tax Adjustment.....	45
Figure 39 – Sales Tax Register.....	46
Figure 40 – Sales Order Entry Line Detail for Use Tax.....	47

INTRODUCTION

Congratulations! You've just purchased the most complete sales tax solution available for FACTS. This activation and configuration guide is broken into sections and provides direction for the following elements:

- Activating Your Avalara Account: An Overview
- The Avalara Connector and Your ERP: An Overview
- Connector Installation
- Connector Integration
- Connector Processing within the ERP
- Connector Administration: A Detailed Guide
- The Connector and Your ERP: A Detailed Guide

ACTIVATING YOUR AVALARA ACCOUNT: AN OVERVIEW

Upon completion of your organization's order with Avalara, you will be provided with access information for the Avalara AvaTax Console. You will have an Avalara Go Live Consultant to assist you with this activity.

Note: The FACTS connector software itself has no activation key.

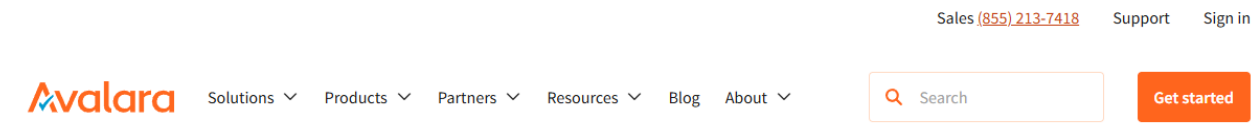


Figure 1 The Avalara Customer Center Log In Screen.

THE AVALARA CONNECTOR AND YOUR ERP: AN OVERVIEW

This section provides you with a high-level overview of what to expect once you've purchased the **FACTS AvaTax Connector** and is divided into two parts:

- The FACTS AvaTax Connector Installation Process
- How the FACTS AvaTax Connector Works within your ERP

The FACTS AvaTax Connector Installation Process

With assistance from Sequoia Group, Inc., your solution partner will install the FACTS AvaTax Connector. We recommend that it first be installed in a test environment for full review. Testing will be performed in the FACTS test environment and when complete, the project manager will coordinate installation in the Production environment. You will be able to run transactions through your Live FACTS environment and have the AvaTax service in test mode. Once testing is completed and is signed off, only then will the AvaTax service be put into production.

How the AvaTax Connector Works within FACTS

The connection between FACTS and AvaTax is transparent and comprehensive. Every program across the AR, SO and SR modules that require tax calculation, address validation or certificate management triggers the connector to send or receive the necessary information to and from AvaTax. Avalara's fees are based upon transaction volume: the greater of number of either invoices or API calls divided by ten. Every ten API calls for address validation *outside* tax calculation also count as a transaction. Review Section 3 on their website for definition updates:

<https://www.avalara.com/us/en/legal/terms.html>

The date of the transaction is evaluated for each calculation as changes to rates may occur over time. Sales orders use entry date while confirmation uses invoice date. Credit memos use either invoice or credit memo date depending upon a system setting. Starting with release 7.8, orders containing line items with negative quantities, i.e. items returned during a sale, reference "Usage Date" to determine taxability of when that item was originally invoiced. This ensures that the calculated tax mirrors the originally billed amount.

Use Tax as recognized through the sales order process for items consumed during a project are also reported. Address verification also works with other modules like Accounts Payable, Payroll, Office Automation and Relationship Management.

The Tax Table file maintenance is still used by the connector, but solely for general ledger purposes. Customers and ship-tos must be assigned to a valid tax code. All three segments: state, county, and local are supported. The other fields are ignored. Tax jurisdiction and rates are determined by Avalara using precise origin and destination addresses.

While the system of record reporting moves to the Avalara Web Console for its complete and more detailed presentation, standard FACTS tax reporting functions as it did previously but only to a limited number of tax categories. State and County taxes match the actual calculated values. If there are transit, sports or other taxes below "Local", however, they are lumped in with the local tax. It provides the ability to separate recognition of committed vs uncommitted transactions for those who use Cash Basis tax reporting.

Some features found in this manual were added subsequent to the launch at version 7.7. Support for versions back to 7.5 was retrofitted with the base feature set. Please refer to Appendix D at the end of the document for a complete list

CONNECTOR ADMINISTRATION

Once your **FACTS AvaTax Connector** has been installed, you may access the Sales Tax System using access code "TX" from any menu.

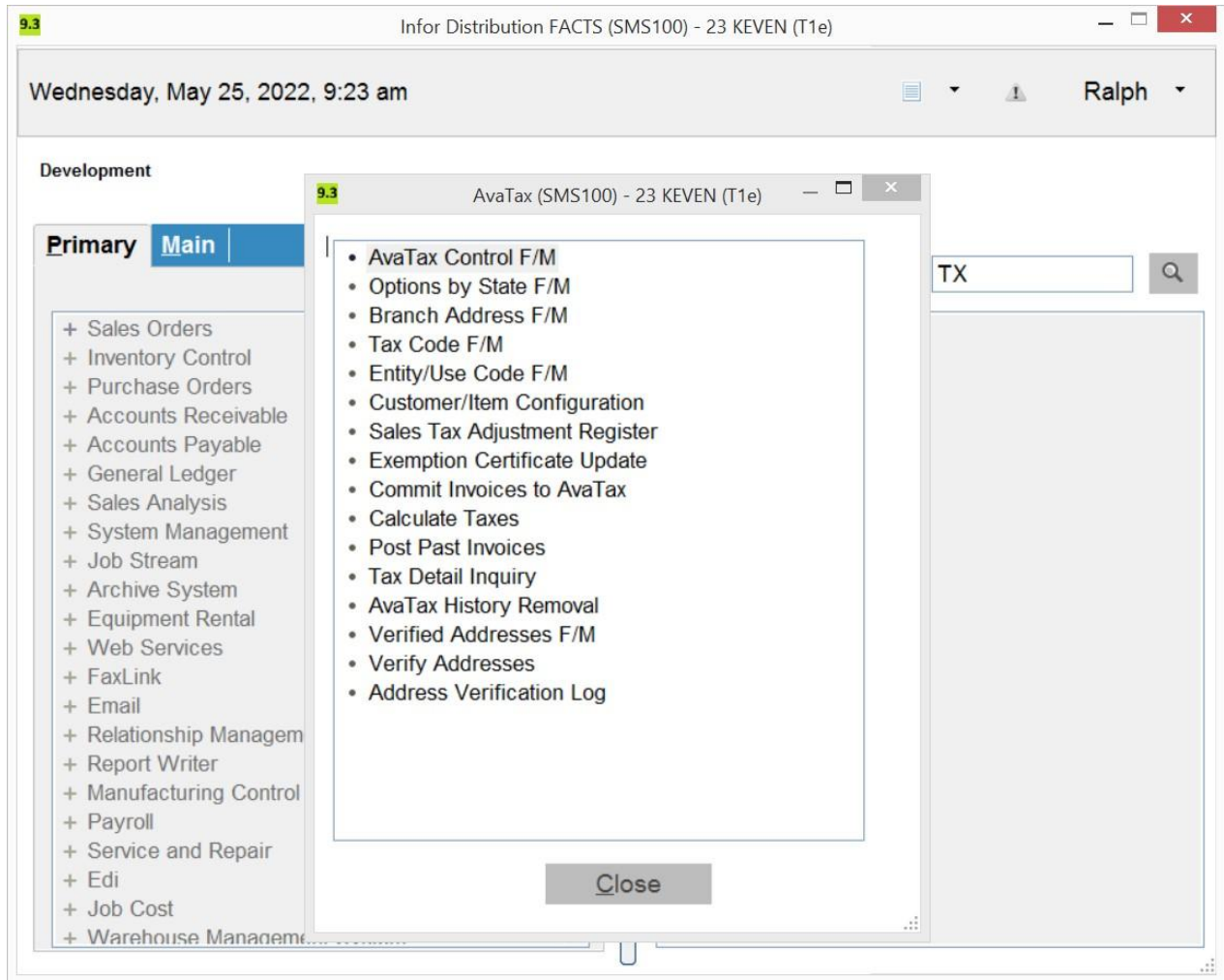


Figure 2. The Sales Tax System menu is accessible using access code "TX".

AvaTax Control F/M (TXF990)

The screenshot shows the 'Settings' tab of the 'AvaTax Control F/M (TXF990) - 23 KEVEN (T0a)' application. The interface includes a menu bar (File, Audit, Help, _Developer), a toolbar (Exit, New, Delete, Save, and navigation icons), and a 'Console' button. The 'Settings' tab is active, displaying the following fields:

- AvaTax Company:** Text box containing '23'.
- Time Out:** Text box containing '15'.
- Years of History:** Text box containing '14'.
- CM Tax Calc Date:** Dropdown menu with 'I - Invoice Date' selected.
- Default Tax Codes:**
 - Freight:** Text box containing 'FR025000'. A search icon is next to it, with the text 'Common carrier/FOB destination - Customer h'.
 - Freight/Handling:** Text box containing 'FR030000'. A search icon is next to it, with the text 'Shipping And Handling Combined'.

At the bottom of the window, there is a text box with the placeholder: 'Enter company code used in the Avalara web console to identify this FACTS company'.

Figure 3. AvaTax Control F/M - Settings tab.

Here you find primary settings for the connector.

AvaTax Control F/M - Settings Tab Field Definitions

Field Name	Definition	Valid Values
AvaTax Company	Identifies the Company Code defined in the Avalara Administration portal. We recommend using the same company code used by your FACTS system.	Valid up to 20 character alpha numeric value. If left blank, it will use the FACTS company number.
Time Out	The number of seconds to wait from a response from Avalara's servers.	A non-zero numeric value. We recommend starting with 15.
Years of History	Enter the number of years to retain detailed history of Avalara response codes for each transaction. Useful for audits.	A numeric value from 0 to 99.
CM Tax Calc Date	Determines which date is used for tax calculations on a Credit Memo. The other date is used as reporting period.	I-Use Referenced Invoice Date M-Use This Credit Memo Date
Default Freight Code	Determines default code used unless specific value configured in Ship Via F/M	Blank= FR020100 "Shipping only common carrier - FOB destination"

**Default Freight/
Handling Code**

Determines default code used when a handling fee is present in Ship Via F/M unless a specific value is configured

Blank= FR030000 "Shipping And Handling Combined"

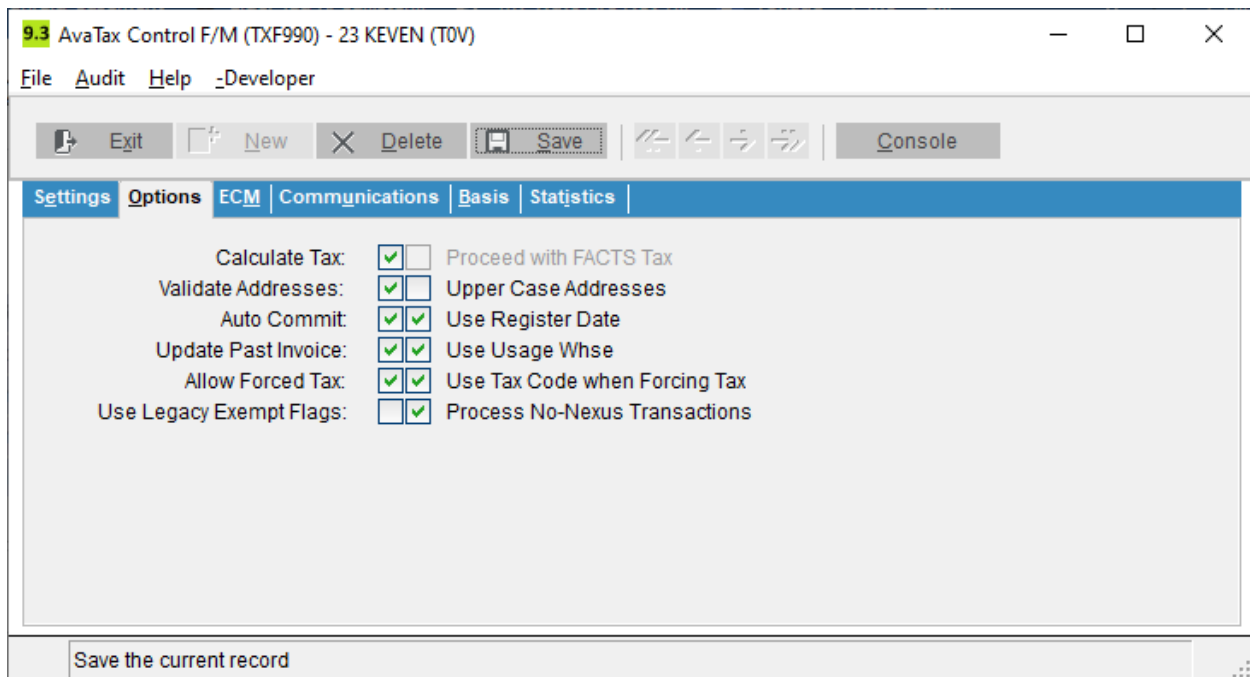


Figure 4. AvaTax Control F/M - Options tab.

This tab determines options that control the connector's functionality.

AvaTax Control F/M - Options Tab Field Definitions

Field Name	Definition	Valid Values
Calculate Tax	Allows communications with AvaTax to be turned off if network is down. See "Calculate Taxes" program description on page 25.	Default=checked Offline mode=unchecked
Proceed with FACTS Tax	Allow invoices to be printed with tax calculated by FACTS when AvaTax is turned off. Useful for counter sales. Invoices must be updated by "Calculate Taxes" before they can be processed by the DSR. Note: Printed invoice total and AR total may not match!	Default=Unchecked

Validate Addresses	Enables use of the Avalara address verification service. Uncheck if using the Sequoia Group hosted service.	Default=checked
Use Legacy Exempt Flags	If checked, FACTS will honor the customer exempt flag (X) on invoices. It will also honor the item taxable flag <i>unless an</i> Avalara Tax Code is specified for the item or item's class.	Default=Unchecked
Auto Commit	Enabling auto update runs the "Commit Invoices to AvaTax" program automatically following the running of various registers.	Default=Unchecked
Upper Case Addresses	Checked-Force address verification to use all upper case.	Default=Checked Mixed case=unchecked
Update Past Invoice	Update sales tax information on past invoice document when tax is adjusted in cash receipts.	Default=Unchecked
Allow Forced Tax	This allows you to force tax on an invoice and suppresses the item Tax Code. Also set tax rate in document footer to "L"	Default=Unchecked
Use Usage Whse	Use usage warehouse as origin address for credits. This helps ensure the tax credit is the same as the original invoice, especially if the invoice was will-call.	Default=Unchecked
Use Register Date	Uses register date when invoice date falls outside month and year of register date. Works with sales registers to ensure posting to the current reporting period in AvaTax.	Default=Unchecked
Use Tax Code when Forcing Tax	This is used in conjunction with the "Forced Tax" option. In this case, it sends the item Tax Code to ensure proper calculation in some instances.	Default=Unchecked

Process No-Nexus Transactions

Normally, the connector will not send a document to AvaTax if it sees that you are not registered to collect sales tax in the transaction state. If you turn this option on all documents will be sent to AvaTax for processing.

Default=Unchecked

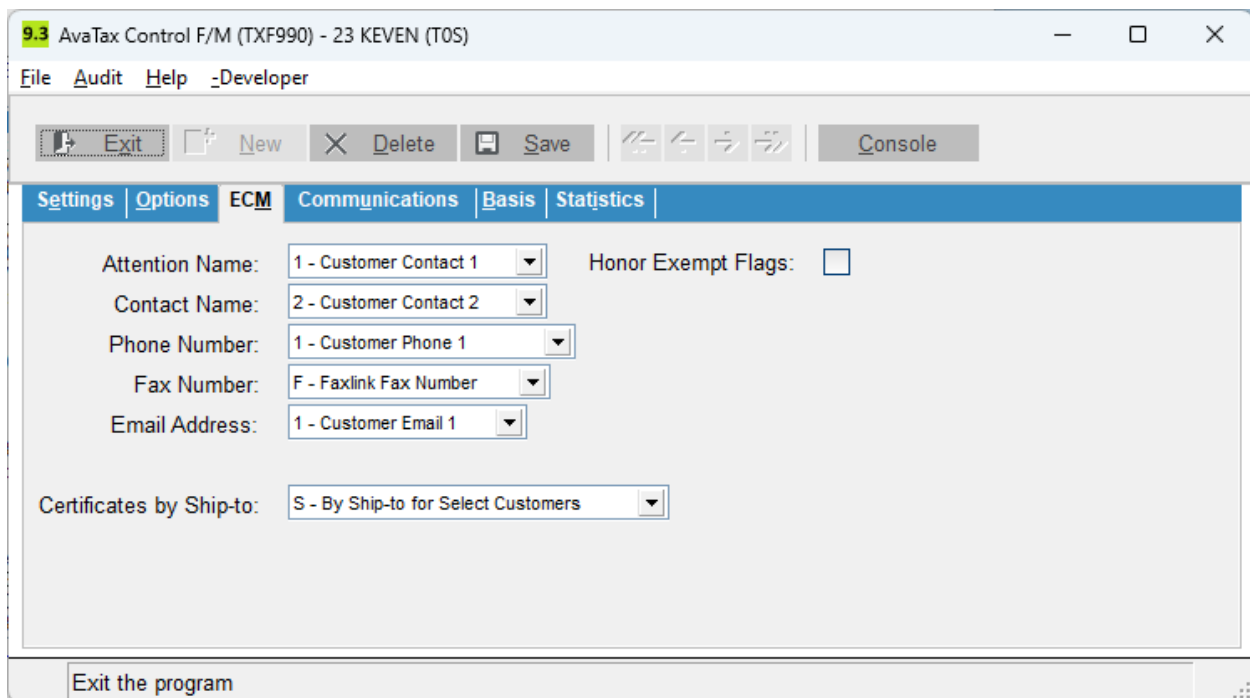


Figure 5. AvaTax Control F/M - ECM tab.

This tab sets default values for the uploading of customer information to Avalara for use with Exemption Certificate Management as well as some ECM parameters.

AvaTax Control F/M - ECM Tab Field Definitions

Field Name	Definition	Valid Values
Attention Name	"Attention" contact name for setting Exemption Certificate default.	Contact 1, Contact 2, Faxlink Contact, None
Contact Name	Primary contact name for setting Exemption Certificate default.	Contact 1, Contact 2, Faxlink Contact, None
Phone Number	Customer primary phone for setting Exemption Certificate default.	Phone 1, Phone 2, Faxlink #, None

Fax Number	Customer fax number for setting Exemption Certificate default.	Phone 1, Phone 2, Faxlink #, None
Email Address	Customer email address for setting Exemption Certificate default.	Phone 1, Phone 2, Faxlink #, None
Honor Exempt Flags	If checked, only active customers and permanent ship-tos with Tax Rate flag set to "X" will be uploaded to Avalara.	Default=Unchecked
Certificates by Ship-to	<p>Options are:</p> <p>N-By Customer Account which means customers will be uploaded to ECM with exposure states determined by customer's ship-tos.</p> <p>Y-By Ship-to for All Customers which means that the customer account will be uploaded to ECM and a separate customer account will be uploaded to ECM for each ship-to. This allows for exempt certificates for a specific ship-to. The ship-to customer number in ECM will be CustomerNumber~~ShipTo.</p> <p>S-By Ship-to for Select Customers which is the same as option Y above except that a customer account will only be split out by ship-to in ECM if the customer is set to do so in Customer/Item Configuration in FACTS.</p>	Default=N-By Customer Account

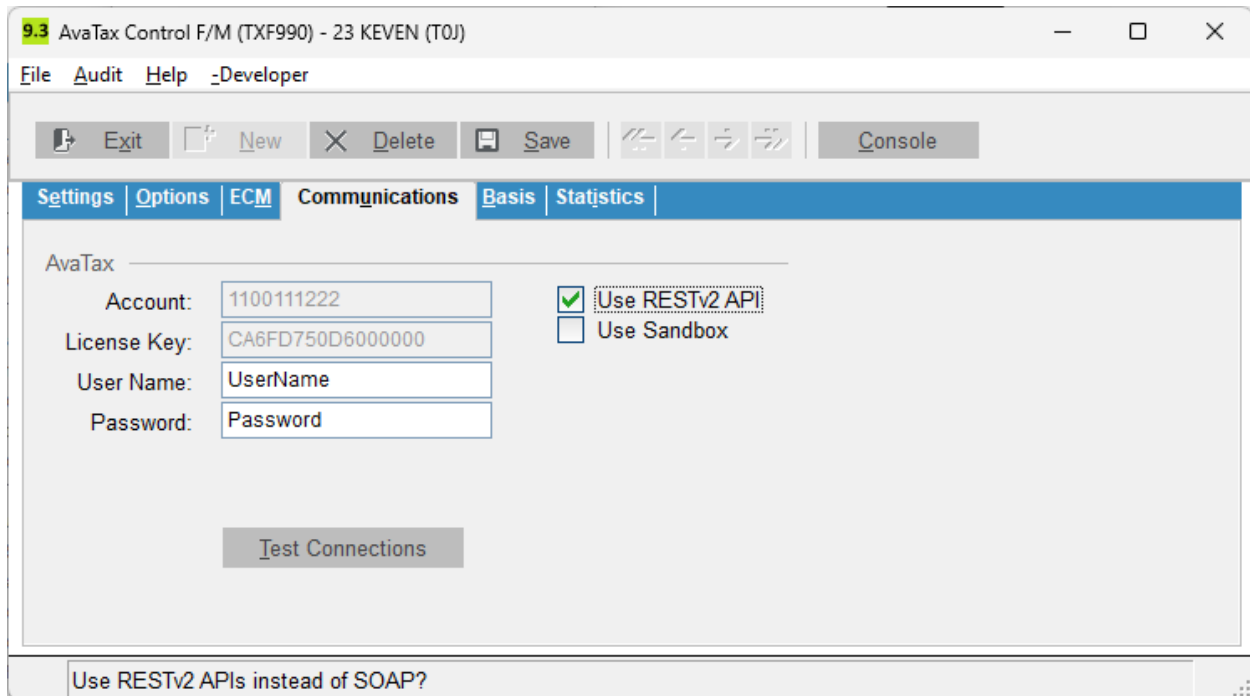


Figure 6. AvaTax Control F/M - Communications tab.

This tab gives access to *required* login credentials provided by Avalara, provides a means to verify connectivity to Avalara Services and allows you to link directly to the Avalara Administration Console.

AvaTax Control F/M - Communications Tab Field Definitions

Button	Definition
Account	If not using RESTv2 API - Account number assigned by Avalara
License Key	If not using RESTv2 API - Provided by Avalara, but new one can be created on AvaTax Console
AvaTax User Name	Your Avalara user name
AvaTax Password	Your Avalara login password
Use RESTv2 API	Recommended setting is to check this box. If it is not checked it will use the obsolete SOAP APIs.
Use Sandbox	Check this box to use the AvaTax sandbox instead of the live account.
Test Connection button	Accesses Avalara website and verifies your login credentials. You should get messages below the button with status and if successful, the current version number and TLS revision.
Console button	Launches your workstation web browser and takes you to the Avalara Console login screen.

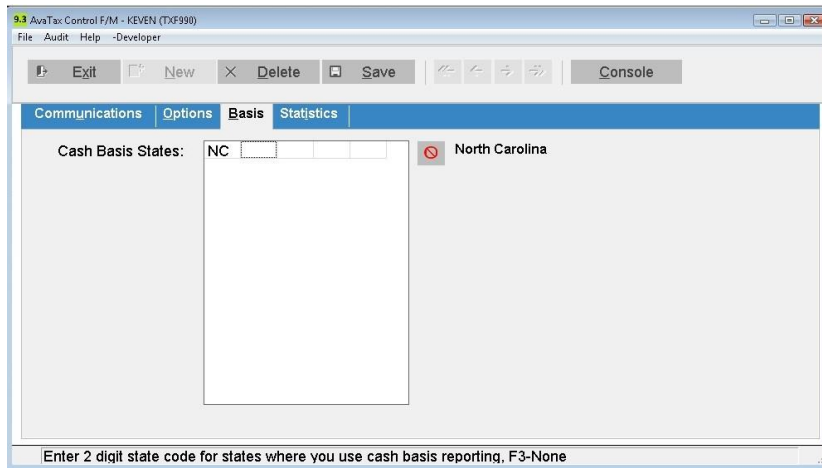


Figure 7. AvaTax Control F/M - Basis Tab

This tab allows you to designate in which state(s) you report tax on a cash basis. The FACTS sales tax register has been enhanced to provide auditing capabilities to support this feature.

AvaTax Control F/M - Basis Tab Field Definitions

Field Name	Definition	Valid Values
States	Enter a list of states for which you report tax on a cash basis. Note: Introduced at 7.9.	Valid two character state codes



Figure 8. AvaTax Control F/M - Statistics Tab

This tab allows you to view the number of occurrences or “hits” for various statistics: Documents Committed, Tax Calculations and Address Validations for Month to Date, Year to Date and Previous Year to Date periods of time. Tax calculation API calls are made only for transactions within Nexus states as configured on the AvaTax console.

These statistics are meant to represent our best estimate of those used by Avalara to determine billing volumes. We continually work to optimize the connector for the most efficient use of resources. **Note: Introduced at 7.8.**

9.3 Options by State F/M (TXF940) - 23 KEVEN (T0J)

File Audit Help _Developer

Exit New Delete Save << < > >>

Country: US United States

State: FL Florida

Adjust Tax for Early Pay Discounts: ☒ Quantity of One:

Send quantity of one and full extended price to AvaTax

Figure 9. Options by State F/M

This controls state specific options.

Options by State F/M - Field Definitions

Field Name	Definition	Valid Values
Country Code	Identifies the country	Two character country code
State Code	Identifies the state or province	Two character state code.
Adjust Tax for Early Pay Discounts	Does state or province tax adjustments for early pay discounts?	Default = unchecked
Quantity of One	Sends quantity of one with full extension to accommodate Florida Discretionary Surtax	Default = unchecked

Branch Address F/M (TXF910) - 23 KEVEN (T1f)

File Audit Help -Developer

Exit New X Delete Save << < > >>

Branch: 01 Atlanta Branch

Main

Country: US

Address: 424 E Shamrock Dr

City: Murray

State: UT Zip Code: 84107-3948

Final Address Line: Murray UT 84107-3948

Location Code: 1001001 AvaTax Company:

Enter the address

Figure 10. The Branch Address F/M identifies the origin address for transactions that do not involve a warehouse (AR Invoicing) and enables the ability to post tax by branch as required by some states.

Branch Address F/M Field Definitions

Field Name	Definition	Valid Values
Address 1	First line of address.	
Address 2	Second line of address if needed.	
City	City	
State	State	Valid two digit state code
Zip Code	Zip code	
Address 3	Expanded full address	Click icon to build automatically
Location Code	Avalara provided value used for providing branch specific reporting required by some states. Determined by initiating warehouse	As defined on the AvaTax Console. Entry is optional
AvaTax Company	Avalara company code (if different) Note: Introduced at 9.1	Entry optional

Figure 11. AvaTax Tax Code F/M

This is a table of Avalara supplied codes used to categorize the goods and services found in your item file. You will need to initially download them at time of installation using the “F1-Download codes” option.

AvaTax Tax Code F/M Field Definitions

Field Name	Definition	Valid Values
Tax Code	Avalara tax code	F1 - Download codes directly from Avalara website (this must be performed initially)
Description	Tax code description	Supplied by Avalara
Type	Avalara tax code type	P-Product F-Freight D-Digital S-Service O-Other
Disable	If disabled, the code will show up only in the file maintenance.	Default=Unchecked
Active	Active tax codes	Default=unchecked
SST Certified	Streamlined Sales Tax Certified	Default=unchecked
Physical Goods	Tax codes related to physical goods	Default=checked

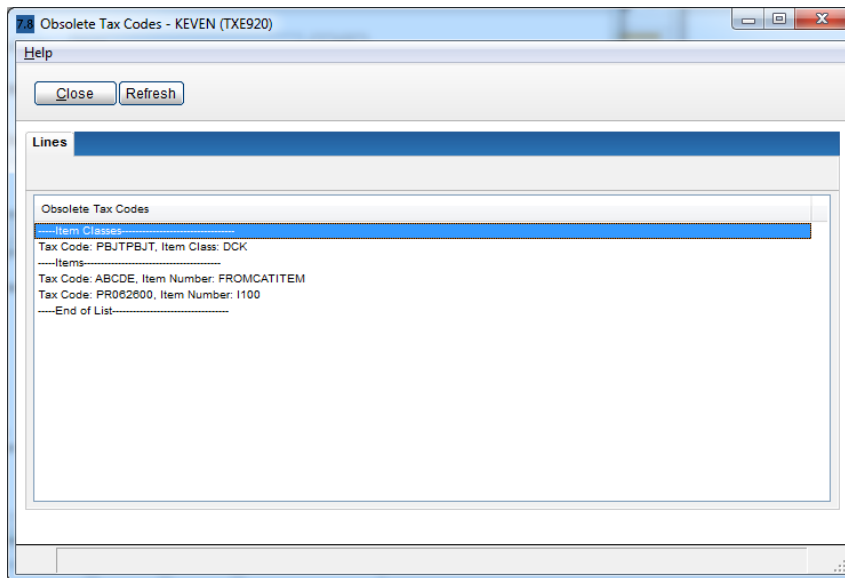


Figure 12. Obsolete Tax Codes

The “Find Obsolete” button will locate and display and items, classes, etc. that have tax codes which are either no longer on file, disabled, or inactive. The view includes a refresh button so that the user may monitor progress as they correct those codes. **Note: introduced at 7.8**

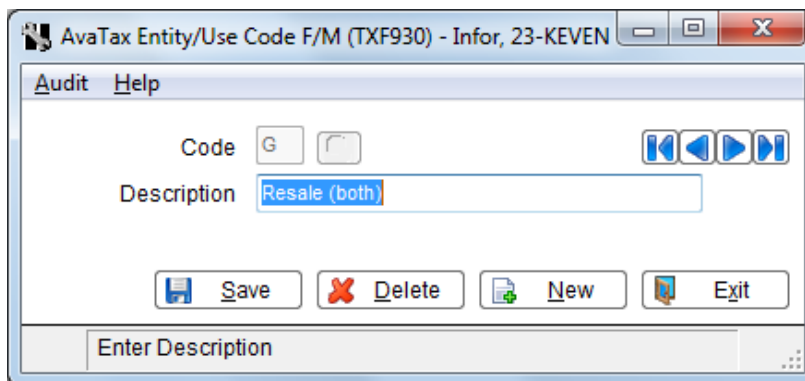


Figure 13. AvaTax Entity/Use Code F/M

This is a table of Avalara supplied codes which are used to categorize your customers and individual ship-to locations. We deliver the connector with the file pre-populated.

AvaTax Entity/Use Code F/M Field Definitions

Field Name	Definition	Valid Values
Code	Avalara code	All codes are preloaded
Description	Entity/Use code description	Supplied by Avalara

9.3 Customer/Item Configuration (TXE910) - 23 KEVEN (TOS)

File Options Help

Done Import Lines

Customer Class: All Classes

Customer: SOUTHEASTERN INDUSTRIAL SUPPLY

Ship-To: All Ship-tos

Entity/Use Code: No exempt code

Effective: Now

AvaTax Customer:

Latitude:

Longitude:

Tax Consumables: ☐

ECM by Ship-to: ☐

Lines

+

Item Class:

Item:

Entity/Use Code:

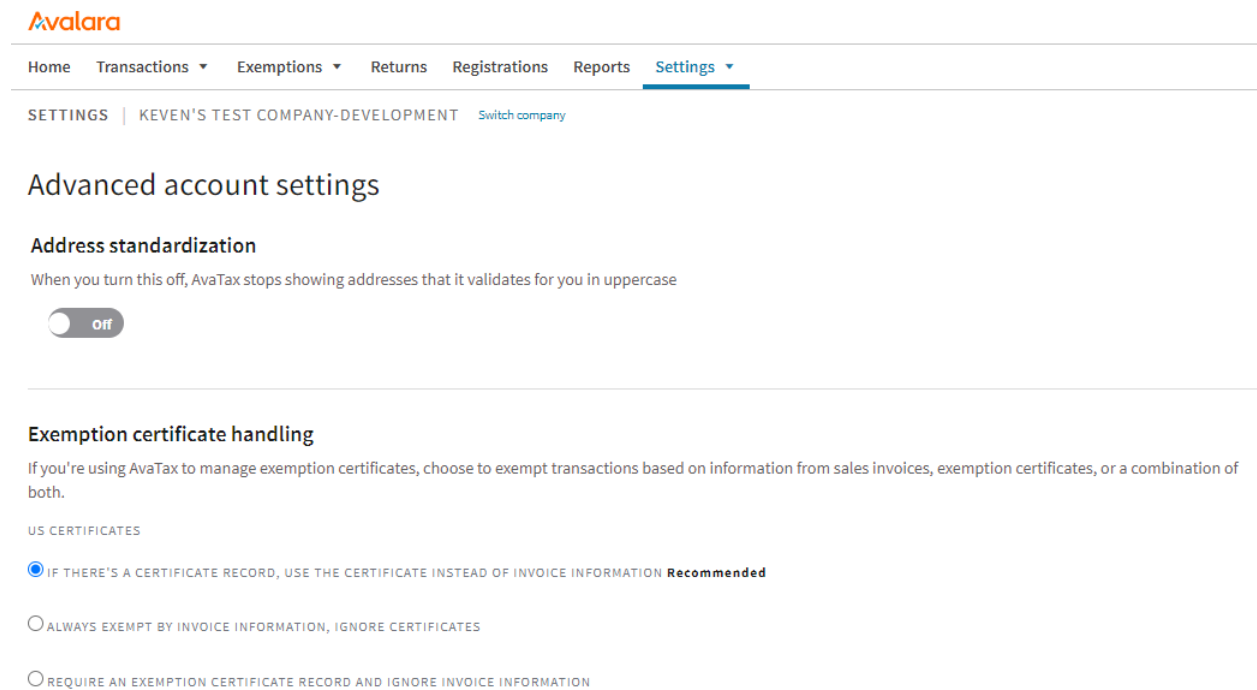
Item	Class	Code	Description
add			

Figure 14. Customer/Item Configuration

This configuration controls the entity/use code at the customer level. It can be set at a customer class level or may be specific to a customer, a customer / ship-to combination. A customer may fit into one entity code for most items while having a different code for a particular item or group of items such as tools or consumables. They can either be non-taxable or taxable exceptions. And for some situations like Georgia where freight is taxable when any line is taxable, you may enter "All Item Classes" as an exception. It may also include latitude and longitude coordinates for rural areas and construction sites where address verification is unavailable and overridden. The "Import" button allows for setting up a new customer, class, or customer/ship-to by using an existing record's configuration. The lines are imported and will replace any matching items. **Note: Import button functionality introduced at 7.9 and Lat/Long geolocation introduced at 9.1.**

Important consideration: AvaTax can honor entity use codes we send along with transactions to determine whether a sale is exempt. AvaTax can also honor the existence of a valid exempt certificate in ECM. For both options to work a setting in the AvaTax console must be set correctly. To access the setting go to Settings, All settings. Look for "Advanced account

settings” near the bottom of the page. Click the blue Manage link. Ensure the ‘Certificates’ setting is set as shown below.



Avalara

Home Transactions Exemptions Returns Registrations Reports **Settings**

SETTINGS | KEVEN'S TEST COMPANY-DEVELOPMENT [Switch company](#)

Advanced account settings

Address standardization

When you turn this off, AvaTax stops showing addresses that it validates for you in uppercase

☒ Off

Exemption certificate handling

If you're using AvaTax to manage exemption certificates, choose to exempt transactions based on information from sales invoices, exemption certificates, or a combination of both.

US CERTIFICATES

☒ IF THERE'S A CERTIFICATE RECORD, USE THE CERTIFICATE INSTEAD OF INVOICE INFORMATION **Recommended**

☐ ALWAYS EXEMPT BY INVOICE INFORMATION, IGNORE CERTIFICATES

☐ REQUIRE AN EXEMPTION CERTIFICATE RECORD AND IGNORE INVOICE INFORMATION

Figure 15. ECM/Entity Use Code Handling Setting

Customer/Item F/M Field Definitions

Field Name	Definition	Valid Values
Customer Class	FACTS customer class	Any Customer class F1- All classes, F2-Class Search, F3-Record Search
Customer	FACTS customer	Any Customer
Ship-To	FACTS Ship-To	Any Ship-to
Entity/Use Code	Avalara code	Any Avalara Entity/Use code
AvaTax Customer Number	Avalara assigned number	Used if FACTS customer code changes after initial upload.
Effective Date	Beginning date for using this exception record	Any date expression F1 = Today

AvaTax Customer	If the customer is already entered into the AvaTax system but with a customer number different from the FACTS customer number, you can enter the AvaTax customer number here to allow for a connection between the account in FACTS and the account in AvaTax.	Any Valid AvaTax Customer Number Note: this is rarely used
Tax Consumables	Determines whether or not items flagged as consumables are always taxed	Default = unchecked
ECM by Ship-to	If the ECM by Ship-to option in AvaTax Control F/M is set to S-By Ship-to for Select Customers this is how to set that this customer should be uploaded with a separate account for each ship-to.	Default = unchecked
Latitude	Degrees of latitude	Optional entry overrides address
Longitude	Degrees of longitude	Optional entry overrides address
Item Class	FACTS Item Class	Any item class
Item	FACTS Item	Any item
Entity/Use Code	Avalara code	Any Avalara Entity/Use code

9.3 Exemption Certificate Update (TXU120) - 23 KEVEN (T1f)

Template Help

Process: D - Get Exemption Certificates

Attention Name: D - Get Exemption Certificates

Contact Name: 2 - Customer Contact 2

Phone Number: 1 - Customer Phone 1

Fax Number: F - Faxlink Fax Number

Email Address: 1 - Customer Email 1

Template: None

Ok Cancel

Select which process you would like to perform

Figure 16. Update for uploading customer data to ECM or downloading exemption certificate information into FACTS.

Note: This is normally used only to upload customer accounts when first setting up AvaTax in FACTS. After initial upload, customer additions or changes in FACTS will automatically be uploaded to ECM. Also, when viewing exemption certificate information in Customer Inquiry, ECM will be contacted 'real-time' so you are sure to be viewing the most current data. There is normally never a need to use the 'D-Get Exemption Certificates' option.

Exemption Certificate Update Field Definitions

Field Name	Definition	Valid Values
Process	Determines whether to upload customer data or download exemption results.	C-Send Customer Information D-Get Exemption Certificates
Attention Name	"Attention" contact name	Contact 1, Contact 2, Faxlink Contact, None
Contact Name	Primary contact name	Contact 1, Contact 2, Faxlink Contact, None
Phone Number	Customer primary phone	Phone 1, Phone 2, Faxlink #, None
Fax Number	Customer fax number	Phone 1, Phone 2, Faxlink #, None
Email Address	Customer email address	Phone 1, Phone 2, Faxlink #, None

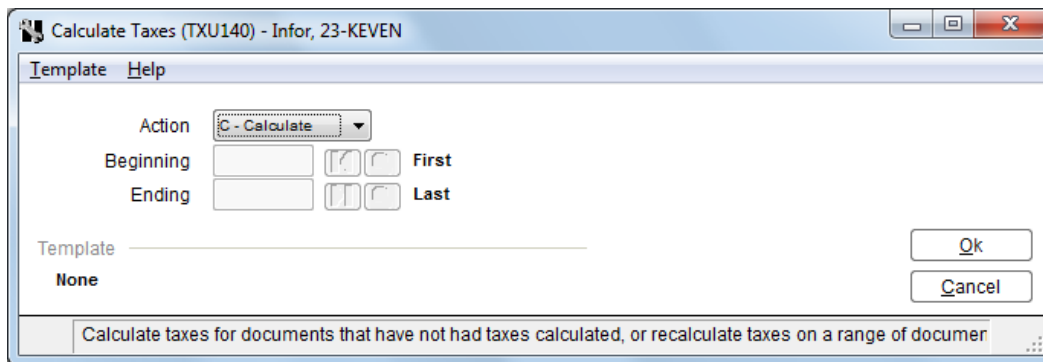


Figure 17. Calculate Taxes updates documents entered while system is offline to Avalara.

The FACTS AvaTax Connector allows for offline processing if there is network difficulty communicating with the AvaTax service. Tax calculation may be temporarily disabled for order processing via the "Calculate Taxes" flag found on the options tab of AvaTax Control F/M. Order entry may continue although without tax calculation. When the service is available, the calculation may be re-enabled. This update will calculate taxes for documents that have not had taxes calculated.

Calculate Taxes Option Definitions

Field Name	Definition	Valid Values
Action	Calculates taxes on new documents or recalculates a range of documents.	C-Calculate R-Recalculate
Beginning	Beginning document number for recalculation option only.	Six digit document number
Ending	Ending document number for recalculation option only.	Six digit document number

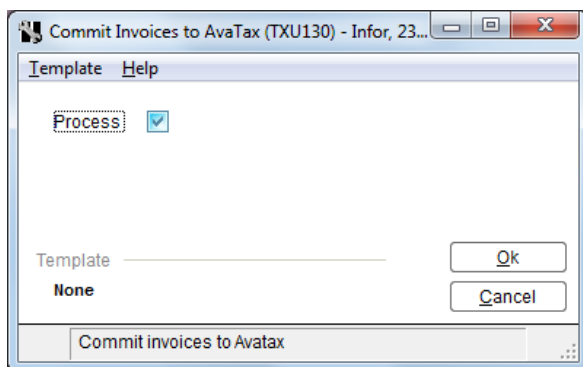


Figure 18. Commit Invoices to AvaTax.

The final phase of transaction handling is to commit invoices to Avalara. Any subsequent corrections or adjustments must be processed using Cash Receipts adjustment entry. Also, it can be run automatically following the updating of sales registers in both AR and SO along with Cash Receipts & Adjustments if the "Auto Update" flag is set in AvaTax Control F/M on the options tab. Click Ok button to run. Commit date is invoice date or system date for cash basis transactions.

Commit Invoices to AvaTax Option Definitions

Field Name	Definition	Valid Values
Process	Upload commit flag to Avalara	Y or N

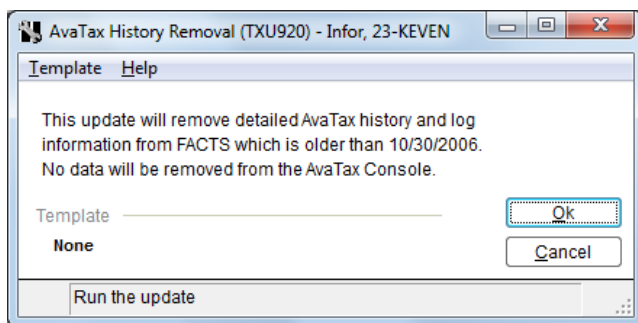


Figure 19. AvaTax History Removal

This update removes detailed transaction history and log information maintained within the FACTS database older than the "Years of History" specified in the AvaTax Control F/M on the settings tab. Click Ok button to run or cancel to exit.

AvaTax History Removal Definitions

Button	Definition
Ok	Remove transactions dated prior to "Years of History" cutoff

Figure 20. Verified Addresses F/M

This program/file serves a 'cache' for address verification. The system will automatically cache both the original and verified address and retain the date of correction. These entries will be retained for 180 days to minimize hits to the AvaTax address servers. Older records will be ignored, so that any changes, etc. will be correctly honored.

This program/file can also be used to 'force' an address. We have seen a few incidences where some valid addresses are not verified. If that occurs, the user may enter the address in the "Bad" tab so that it will use the address from this file and not hit the address servers. Records entered manually never expire. The "Response" tab shows the XML Avalara returned.

An alternative way to force an "unverified" address is to fill in the City, State, Zip and include the text "General Delivery" either at the end of the Address 1 line or in Address 2. The connector will return the tax for that zip code as opposed to the specific street address where there may be none.

Verified Addresses F/M Definitions

Field Name	Definition	Valid Values
Country	Enter country code	Valid country code
Address	Enter address information	Any text
City	Enter city	Any text
State	Enter state	Valid state code

Zip Code	Enter zip code	Numeric
Final Address Line	Enter city state zip	Any text
Created	Date system captured address	Valid date

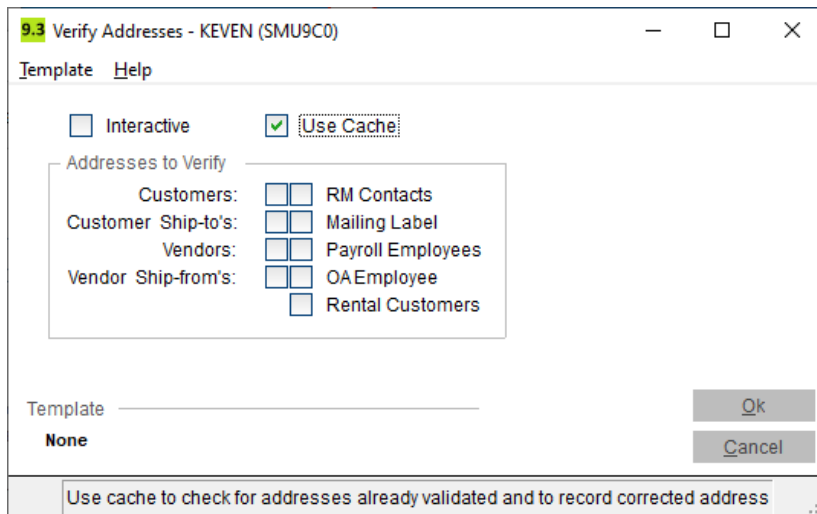


Figure 21. Verify Addresses

This update is used to initially verify and correct existing addresses in all FACTS files during implementation. Every subsequent addition or edit automatically launches the verification process.

Verify Addresses Option Definitions

Field Name	Definition	Valid Values
Interactive	Ability to monitor exceptions during update. Alternately, you may run the Address Verification Log Report to locate any exceptions	Y or N
Addresses to Verify	Selection of files available to update. Choose each one to be verified during process.	Y or N
Use Cache	Selecting this option updates only addresses not found in current address verification file. Can greatly minimize transactional traffic.	Y or N

Figure 22. Address Verification Log

This log report details all address verification changes made to the various FACTS files. Many filtering options are available. Note the following result codes:

- 0 Address already correct
- 25 Address verified and corrected
- 50 Error. Address could not be verified and remains unchanged

Address Verification Log Option Definitions

Field Name	Definition	Valid Values
Beginning Date	Beginning date for inclusion on report	Any date expression
Ending Date	Ending date for inclusion on report	Any date expression
Beginning Time	Beginning time for (only enabled when beginning and ending date are the same)	Time in HH:MM:SS format (optionally add "A" or "P")
Ending Time	Ending time for inclusion on report (only enabled when beginning and ending date are the same)	Time in HH:MM:SS format (optionally add "A" or "P")
Type	Address Type	Select from drop down list or CR=All
Result	Address Result	Enter one or more result codes: V-Verified U-Unverified C-Changed

Source Program	Program name from which address was verified	FACTS program name F1-All
User Code	User Code to show for log entries	Valid user code F1-All
User Action	Action taken by user	All-All changes YES-Accepted changes NO-Rejected changes F4-Rejected via F4

Figure 23. Post Past Invoices

This update will submit prior invoices to the AvaTax console. In the event of implementing the connector in the middle of a reporting period, you can ensure that all invoices for that period are included for tax reporting purposes. If Only Open Cash Basis Documents is selected, it will post all open documents and all other inputs are disabled. **Note: Cash Basis Feature introduced at 9.2.**

Post Past Invoices Definitions

Field Name	Definition	Valid Values
Only Cash Basis Docs	Used for cash basis only	Optional
Country	Country	Any valid country code
State	State	Optional
Beginning Date	Beginning date to update	Any date expression
Ending Date	Ending date to update	Any date expression following beginning date

Tax - KEVEN (TX1610)

Options View Help

Document Type: SO - Sales Orders and Invoices Refresh

Order #: 002018

Invoice #:

Tax Type: B - Both

Views:

Details

Date	Document	Status	Tax Type	Non-Taxa...	Taxable	Tax	Rate	Committed to AvaT
2019-02-13	002018	Open	Sales Tax	.00	473.80	33.17	7.0000	
2016-03-15	102175-SO-20160315	Past	Sales Tax	.00	260.95	18.27	7.0000	02/13/2019
2016-03-15	102176-SO-20160315	Past	Sales Tax	.00	220.95	15.47	7.0000	02/13/2019
2016-03-15	102177-SO-20160315	Past	Sales Tax	.00	200.95	14.07	7.0000	02/13/2019

Sent to AvaTax Reply Received Exit

Figure 24. Tax Detail Inquiry

This inquiry provides a detailed view of the transactional dialog between the connector and the Avalara tax service. It begins with a summary display and provides drill downs to what data was sent to Avalara and also what was received from Avalara.

Detail Tax Inquiry Definitions

Field Name	Definition	Valid Values
Document Type	Document Type selection	SO-Sales Orders/Invoices SQ-Quotes RS-Recurring Sales Orders AI-AR Invoices AR-AR Recurring Invoices SC-Service & Repair Contracts RO-Service & Repair Orders SP-Service & Repair Proposals RR-Equipment Rental Reservation RC-Equipment Rental Contracts
Document Choice (type specific)	Choice of document to display	Any valid transaction number
Document Choice	Optional second document	Any valid transaction number

(second tier)

Tax Type	Tax type selection	B-Both (default) S-Sales Tax only U-Use Tax only
-----------------	--------------------	--

9.0 Sales Tax Adjustment Register - KEVEN (TXR710)

Template Print Options Help

Country: US United States CP=09/2015 SEP

Beginning Tax Code: First

Ending Tax Code: Last

Beginning Date: First

Ending Date: Last

Branch: All

Scope: D - Detail

Type: - All Separate

Committed: B - Both

Template: Keven

to Notepad

Ok Cancel

Select invoice tax commit status to include on the report

Figure 25. Sales Tax Adjustment Register

This register will print all or selected tax adjustments created by Cash Receipts Entry either for correcting the sales tax amount or by early pay discounts. This report may be used in conjunction with the standard FACTS Sales Tax Register to provide a complete picture of tax collected. One may also select invoices based upon whether or not they have been committed.

Note: The Committed status is part of the Cash Basis handling introduced at 7.9

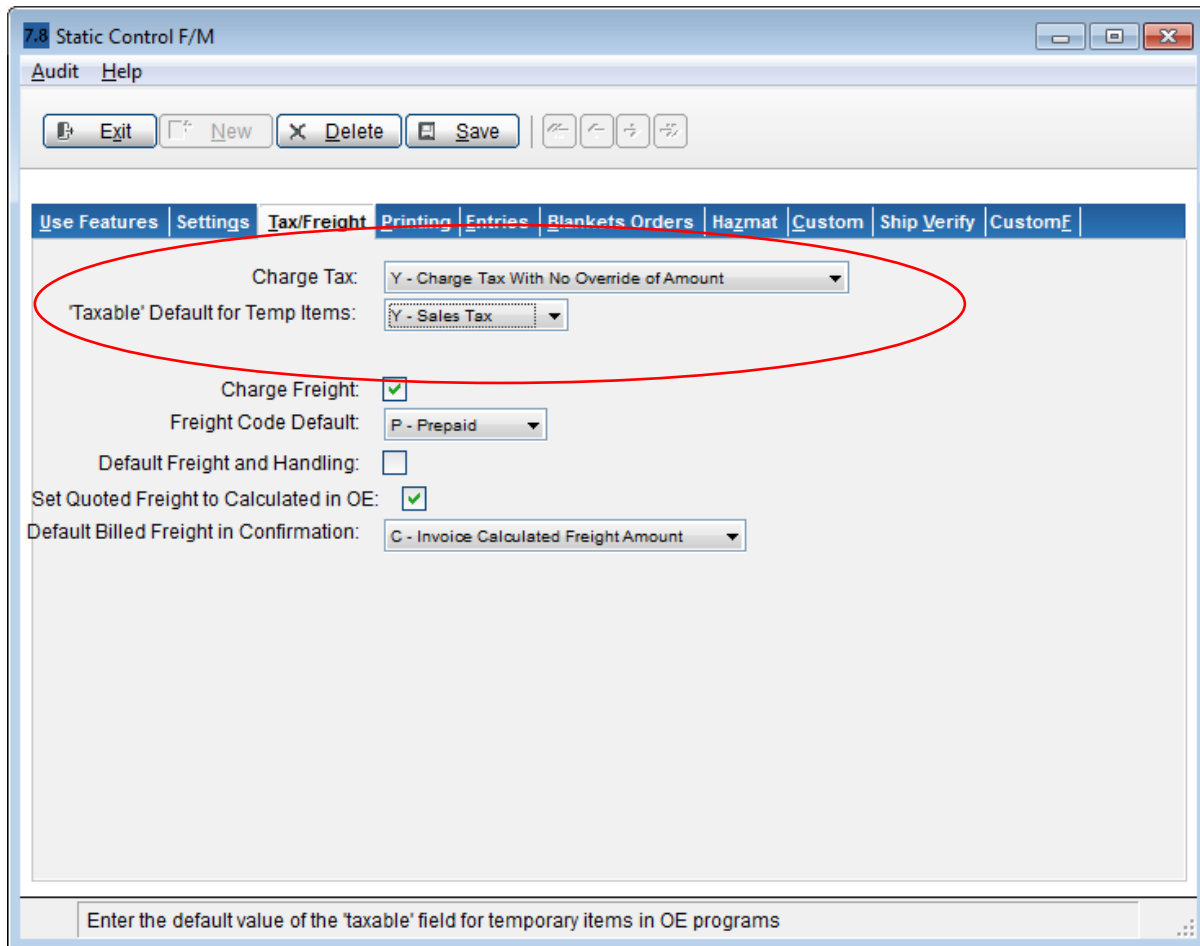
Sales Tax Adjustment Register Definitions

Field Name	Definition	Valid Values
Country	Country	Any valid country code
Beginning Tax Code	Beginning tax code to print	Default=first
Ending Tax Code	Ending tax code to print	Default=last
Beginning Date	Beginning date to print	Any date expression
Ending Date	Ending date to print	Any date following beginning

Branch	Selected branch to print	Valid code, Default=all
Scope	Detail or Summary	D=Detail, S=Summary
Type	All, Adjustment or Discounts	Default=all
Separate	If checked will print separate reports by type	Default=unchecked
Committed	Determines which invoices are included based upon committed to AvaTax status. Note: Introduced at 7.9.	C-Committed to AvaTax N-Not Yet Committed B-Both

THE CONNECTOR and YOUR ERP

This section of the documentation details what is different in FACTS now that Avalara is the source for sales tax calculation and reporting. First we'll review key settings found in Sales Order Static Control F/M and Accounts Receivable Invoice Processing F/M that should already be set.



The screenshot shows the 'Static Control F/M' window with the 'Tax/Freight' tab selected. A red oval highlights the 'Charge Tax' and 'Taxable' Default for Temp Items' settings. The 'Charge Tax' dropdown is set to 'Y - Charge Tax With No Override of Amount'. The 'Taxable' Default for Temp Items' dropdown is set to 'Y - Sales Tax'. Other visible settings include 'Charge Freight' (checked), 'Freight Code Default' (P - Prepaid), 'Default Freight and Handling' (unchecked), 'Set Quoted Freight to Calculated in OE' (checked), and 'Default Billed Freight in Confirmation' (C - Invoice Calculated Freight Amount). The window title is '7.8 Static Control F/M' and it has a menu bar with 'Audit' and 'Help'. The toolbar includes 'Exit', 'New', 'Delete', 'Save', and several navigation icons. The bottom status bar reads 'Enter the default value of the 'taxable' field for temporary items in OE programs'.

Figure 26. Sales Order Static Control F/M tax setting.

Ensure that the Tax input has "Y-Charge Tax With No Override Of Amount" selected. The connector should be in full control of all tax liability related questions. For temporary items, you may choose either "Y-Sales Tax" or "C-Cost Use Tax".

Note: After going live on AvaTax, you may need to do credit memos for invoices with tax calculated prior to going live on Avatax. It is likely that the sales tax on the invoice was not 100% correct. Now that AvaTax is calculating the tax, the tax on the credit memo may not be the same as the tax on the original invoice. To deal with this situation, you can temporarily change the 'Charge Tax' setting above to allow override. Override the tax amount on the credit memo. Then after the credit memo has committed to AvaTax, edit the tax amount on credit memo in AvaTax.

Invoice Processing Control F/M (ARF982) - Infor, 23-KEVEN

Audit Help

Last Invoice # Used

Charge Tax **L - Charge Tax By Line**

Charge Freight ☒

Allow Discount

Enter Cost ☒

Post to SA ☒

Use Department ☒

Invoice Print

Invoice Print ☒

Preprinted Form ☒ Address ☒

Cost Tear-Off ☐

Form Depth

Standard Memo

Enter last invoice # used

Figure 27. AR Invoice Processing F/M Charge Tax setting.

Ensure that "Charge Tax By Line" is selected for the Charge tax input.

Maintenance Options

There are several files that have been changed or have new implications due to implementing the FACTS AvaTax Connector. They are:

Customer File Maintenance

Item File Maintenance

Item Class File Maintenance

Adjustment Code File Maintenance

Ship Via File Maintenance

Service Code File Maintenance (if using Service & Repair module)

Figure 28. Customer File Maintenance Main tab

Note for FACTS 7.7 systems: Because there is no "Country" field, a value of "XX" in the "State" field assumes an international address. Due to the 15 character field limit with "City", address verification may attempt to truncate certain words. You may use City Correction F/M to override that behavior.

Figure 29. City Correction File Maintenance Main tab

Refer to the AvaTax Control F/M section beginning on page 10 for details as to the optional handling of the Tax Rate flag found on the Accounting tab of Customer F/M.

Figure 30. Item File Maintenance Sales Tab.

A new code maintained by the AvaTax Tax Code File Maintenance in the Connector Setup section determines the taxability of an item. It uses Avalara designated codes to categorize the goods or services of the item. The Taxable flag is now used to determine if Use Tax applies to this item. Consumable Tax allows for extra flexibility for determining when an item may be taxable even for customers who are normally exempt. An example would be tools or gloves that are used by the customer instead of being resold.

Item File Maintenance Field Definitions

Field Name	Definition	Valid Values
Taxable	Determines whether tax is sales or use tax	Y-Sales Tax F-Force Tax C-Use Tax
Tax Code	Avalara tax code used to categorize the goods or services.	Any valid Avalara tax code (note: overrides "Legacy Exemption" setting)
Consumable Tax	Provides the ability to force taxability for customers or ship-tos whose entity code is exempt	N=Taxed Normally (default) C=Taxable when "Consumable" Tax is checked in Customer/Item Configuration A-Always Taxable

Figure 31. Item Class File Maintenance Custom Tab

Setting the AvaTax Tax Code at the Item Class level allows you to more quickly categorize the items. It also allows for item specific exceptions. If you enter a value at the item level, it will override a value assigned to its Item Class.

Item Class File Maintenance Field Definitions

Field Name	Definition	Valid Values
Tax Code	Avalara tax code used to categorize the goods or services.	Any valid Avalara tax code

Figure 32. AvaTax Rental Item File Maintenance

This is only relevant if you have the FACTS Equipment Rental module and are using FACTS 7.8 or better.

You may have items you both sell and rent. When the items are sold, there may be specific tax laws for the type of item that are honored based on the AvaTax tax code assigned in Item F/M or Item Class F/M. If renting the same item, other tax laws may be in play. This file maintenance allows you to specify what AvaTax tax code to use for items when they are being rented rather than sold.

Item Class File Maintenance Field Definitions

Field Name	Definition	Valid Values
Tax Code	Avalara tax code used to categorize the goods being rented.	Any valid Avalara tax code

The screenshot shows a software window titled "Adjustment Code F/M (ARF960) - Infor, 23-KEVEN". It has a menu bar with "Audit" and "Help". The main area contains the following fields and controls:

- Adjustment Code:** A text box containing "TX" and a small icon button.
- Description:** A text box containing "Adjust Sales Tax".
- Adjustment G/L#:** A text box containing "0330-01-0" and a magnifying glass icon.
- SALES TAX PAYABLE:** A label next to the magnifying glass icon.
- SO Tax:** A checkbox that is checked, circled in red.
- Navigation Buttons:** Four buttons at the bottom: "Save" (floppy disk icon), "Delete" (red X icon), "New" (document with plus icon), and "Exit" (door icon).
- Status Bar:** A text box at the bottom containing "Enter adjustment code description".

Figure 33. Adjustment Code File Maintenance

One additional field has been added to the Adjustment Code F/M to designate that a given adjustment is sales tax related. This is used in Cash Receipts and Adjustment Entry for sales tax related corrections. The use of a tax related code triggers an additional screen where specific corrections are made.

Adjustment Code File Maintenance Added Field Definition

Field Name	Definition	Valid Values
SO Tax	New field to indicate whether or not adjustment is tax related	Y or N (default=N)

Ship Via F/M (SOF978) - Infor, 23-KEVEN

Audit Help

Warehouse 01 SEATTLE

Ship Via WILLCALL Will Call

Main Edi 3rd Party Custom Freight Quote

Description Will Call

Freight G/L# 0640-01-1

Active Will Call Delivery

Handling Charge AvaTax Tax Code

Allow on Web

Freight Schedule

Include Direct Ship

Save Delete New Exit

Enter ship via description

Figure 34. Ship Via File Maintenance

Two additional fields have been added to the Ship Via F/M to designate whether or not this is a Will Call pickup and the AvaTax Tax Code to be used with this method of shipment. If no code is set, the default value used is: FR020100 "Shipping only common carrier - FOB destination". If a Handling Charge is set, the default value changes to: FR030000 "Shipping And Handling Combined"

Ship Via File Maintenance Added Field Definitions

Field Name	Definition	Valid Values
Will Call	New field to indicate whether or not this is a Will Call pickup. It forces the ship destination to be the same as the origin.	Y or N (default=N)
AvaTax Tax Code	Avalara tax code used to categorize the method of shipment	Any valid Avalara tax code

9.0 Service Code F/M - KEVEN (SRF930)

File Notes Audit Help

Exit New Delete Save

Service Code: AT

Item: All Items

Model: All Models

Main Sales History

Description 1: Add Toner

Description 2:

Price: .00

GL Table: 001 Inventory

Taxable: ☐ Tax Code:

Misc: ☐

Enter AvaTax tax code to associate with this service code, F2-Search

Figure 35. Service Code File Maintenance

An additional field has been added to the Service Code F/M to designate the AvaTax Tax Code to be used with service code.

Note: This feature is not currently supported at 7.7 and 7.9

Service Code File Maintenance Added Field Definition

Field Name	Definition	Valid Values
AvaTax Tax Code	Avalara tax code used to categorize the goods or services	Any valid Avalara tax code

Cash Receipts and Adjustment Entry Options

A unique feature of the FACTS AvaTax Connector is the ability to use Cash Receipts and Adjustment Entry to make any necessary adjustments to the tax amount of invoices. Also, if a customer takes advantage of a terms-based discount and short pays the invoice, the tax liability is recalculated based upon the new value of the document.

If the document requiring adjustment has been moved from the open AR file to the paid AR invoices history file, it can be moved back to the open AR file using the 'Re-open Completed Invoice' menu option. **This option was added at FACTS 9.3.**

9.4 Apply Payment Entry - Batch 1 (ARE211) - 23 KEVEN (TOR)

File Edit View Options On Acct User Pref Help

Done Header Cash Debit Memo Auto Apply List Selected Pay w/Disc Notes: C

Doc Type: Apply: A - All Sort By: 1 - Doc Number

Customer: INDUSTRIAL SUPPLY Date: 08/18/2025

Check #: Amount: .00

Type: Re-open Completed Invoice Disc Grace Days: 0

Memo: OA Total: .00

Check Amount: .00

Distributed: .00

Balance: .00

Misc Cash Total: .00

Debit Memo Total: .00

Display List Payments... AR Detail... View Invoice...

Lines

Invoice: 000329-0 Current: 515.64 06/19/2019 Discount: .00 05/20/2019

Payment: .00 Discount: .00 Adjustment: .00 Adj Cd:

Invoice	Due	Curr Amt	Disc Amt	Disc	D	Payment	Discount	Adjustment	Cd	Balance
000329-0	06/19/2019	515.64	.00	05/20/2019						
000330-0	06/19/2019	285.60	.00	05/20/2019						
000331-0	04/30/2016	19.00	.38	04/10/2016						
000332-0	05/30/2016	20.42	.38	05/10/2016						
000333-0	06/30/2016	19.00	.38	06/10/2016						
000334-0	07/30/2016	19.00	.38	07/10/2016						
000335-0	08/30/2016	19.00	.38	08/10/2016						
000336-0	09/30/2016	19.00	.38	09/10/2016						
000337-0	10/30/2016	19.00	.38	10/10/2016						
000338-0	11/30/2016	19.00	.38	11/10/2016						
000339-0	12/30/2016	19.00	.38	12/10/2016						
000340-0	09/21/2019	21.49	.00	08/22/2019						
000342-0	01/30/2017	19.00	.38	01/10/2017						

Figure 36. Option to reopen a completed AR Invoice

Cash Receipts and Adjustment Entry Payment Screen

A miscalculation may have arisen because one or more tax-related data elements of the original invoice were not properly entered or configured at the time the invoice was generated. These may include Invoice Date, Customer/Entity Code, Origin or Destination, Item Tax Code, Freight Tax Code, Exemption Certificate, etc. The sales tax difference can be adjusted on or off the invoice.

Enter the appropriate payment amount, a discount amount if applicable and an adjustment amount if applicable. If an adjustment is made using a tax related adjustment code (see Figure 33), the Tax Adjustment Entry is triggered. You now may correct any tax related aspect of the document at either the header or line level that caused the original miscalculation.

Apply Payment Entry - Batch 01 (ARE211) - Infor, 23-KEVEN

File Edit View Options On Acct User Pref Help

Doc Type: N - Non-Zero Only Apply: A - All Sort by: 1 - Doc Number

Customer: C100 SOUTHEASTERN INDUSTRIAL SUPPLY

Check #: 134566 Date: 10/01/2013

Type: 1 - Check Amount: 8522.55

Memo: Disc Grace Days: 0

Check Amount: 8522.55
Distributed: .00
Balance: 8522.55
OA Total: .00
Misc Cash Total: .00
Debit Memo Total: .00

Invoice: 100217-0 Current: 9106.92 12/15/2013 Discount: .00 11/15/2013

Payment: 8522.55 Discount: .00 Adjustment: -584.37 Adj Cd: TX

Invoice	Reference #	Due	Curr Amt	DiscAmt	Disc	D	Payment	Discount	Adj
100207-0	TEST MEMO ONLY	10/19/2013	1538.44	-10.00	09/19/2013				
100208-0	TEST	10/31/2013	434.24	.00	10/01/2013				
100209-0	TEST	10/12/2013	120.00	.00	10/12/2013				
100210-0	TEST NO TAX	10/12/2013	447.19	.00	10/12/2013				
100211-0	TEST NO STATE	10/12/2013	434.24	.00	10/12/2013				
100213-0	JOSH	10/12/2013	4512.95	.00	10/12/2013				
100215-0	TEST BACK PRINT	12/11/2013	561.39	.00	11/11/2013				
100217-0	TEST NEW TAX	12/15/2013	9106.92	.00	11/15/2013				
123456-0	TEST	04/09/2012	2086.02	.00	03/09/2012				

List Payments... AR Detail... View Invoice...

Pay w/ Disc Pay Pay/Edit Misc Cash Debit Memo Auto Apply List Selected Header Done

Enter adjustment amount (Balance=584.37, Tax=584.37), F3-Balance

Figure 37. Cash Receipts and Adjustment Entry Payment Screen

9.3 Tax Adjustments (TXE310) - 23 KEVEN (TOK)

Help

Done

Customer: C100 Order #: 001521 Tax Calc Date: 11/15/2020
 SOUTHEASTERN INDUSTRIAL SUPPLY Invoice #: 001724 Entity Use Code: No exempt code

Original Tax: .00 Entered Adjustment: 1.00
 New Tax: .00 Actual Adjustment: .00
 Total Changes: .00 Difference: 1.00
 EarlyPay Credit: .00

Recalculate Taxes

Lines

Item: I113 ROLLING STOCK PICKING LADDER 11 STEPS. 5001 Discounts Can Apply To This Line

Taxable: Y - Sales Tax Tax Code: P0000000 Tangible Personal Property

Origin: WH01 Destination: ST Entity Use Code: No exempt code

Item	Origin	Destination	Tax Code	Taxable	Entity Code	Disc	Description
I113	WH01	ST	P0000000	Y		Y	ROLLING STOCK PICKING LADDER 11 STEPS...
I144	WH01	ST	P0000000	Y		Y	PORTABLE SCAFFOLD SYSTEM 2'5" X 6'L X 6'H

Figure 38. Cash Receipts and Adjustment Entry Tax Adjustment Screen

Cash Receipts and Adjustment Tax Adjustments Screen

Once you have completed the corrections, click the "Recalculate Taxes" button. You must fully distribute the adjustment amount to tax related changes to the document. When the Cash Receipts and Adjustment Entry register is updated, the connector will create two tax related entries that are uploaded to AvaTax: a reversal to the original record and a new one reflecting the adjustments. This saves you the time of having to credit and rebill the original order.

9.0 Sales Tax Register - KEVEN (ARR820)

Template Print Options Help

Country: US United States CP=09/2015 SEP

Beginning Tax Code: First

Ending Tax Code: Last

Beginning Date: First

Ending Date: Last

Branch: All

Scope: D - Detail

Committed: B - Both

Template Keven

Ok Cancel

Select invoice tax commit status to include on the report

Figure 39. Sales Tax Register Screen

The FACTS Sales Tax Register continues to provide the ability to print transactions at the summary or detailed level and filtered by different criteria including country, tax code data, branch and scope. A new option allows you to filter if the invoice has been committed to the Avalara console. This is useful for those using Cash Based reporting to provide a schedule of those invoices awaiting payment that have not as yet been committed. The removal option is only available when Committed Invoices are chosen. **Note: Committed option introduced at 7.9.**

Sales Tax Register Added Field Definition

Field Name	Definition	Valid Values
Committed	Determines which invoices are included based upon committed to AvaTax status	C-Committed to AvaTax N-Not Yet Committed B-Both

Quote Processing

To facilitate quotes using "NEW" as the customer number, the "X" exempt flag will be honored even when the "Use Legacy Exempt Flags" option has not been selected using a simple addition of code found at the end of Appendix E. This is to support those using ECM, but don't want to require prospects submitting a certificate of exemption until they become a live customer.

Order Processing

During order entry FACTS will connect with the AvaTax service to retrieve the current tax rates. No transactions will appear in the portal as a result of this process. For handling Use Tax, the line item detail screen offers a new option for the taxable flag. You select between Y-Taxable, F-Force Tax and C-Cost Use Tax. Cost Use Tax is used when an item you previously purchased tax exempt is now taxable as having been used in a billable project. Additionally, you may always force tax if necessary.

Starting with release 7.8, orders containing line items with negative quantities, i.e. items returned during a sale, reference "Usage Date" to determine taxability of when that item was originally invoiced. This ensures that the calculated tax mirrors the originally billed amount.

9.0 Document D00253 Item I100 Pallet Loading Hand Truck - Southeastern Industrial Supply - KEVEN (SOE510)

File Edit View Options Go To Help

Item: I100 Pallet Loading Hand Truck

Quantities/Shipping Costing/PO Edi Cost Layers Custom2

Desc: Pallet Loading Hand Truck 1000 lb capacity Cust Item: WHS-1000 Hand Truck

Taxable: F - Force Tax Y - Sales Tax F - Force Tax C - Cost Use Tax

Print on Forms:

Order Information

Ordered	UM	Shipped	Committed	Backordered	Price	UM
1	EA	1	0	0	235.20	EA C

Orig Order 1 Price Extension: 235.20

Shipping Warehouse

Shipping Whse: 01 Atlanta Warehouse Ship Direct

Ship Via: OWN TRUCK OWN TRUCK

Ship Complete: N - No

Vendor: V100 General Industrial MFG

Location: G25 Weight: 79.000 UM: EA

Available 1065 EA
On Hand 1159
On Order 25
Backordered 5

Browse Warehouses

Save

Is this item taxable? VERY GOOD CUSTOMER

Figure 40. Sales Order Entry Detail Line Entry for Use Tax

Order Confirmation

During order confirmation, FACTS will connect with the AvaTax service and retrieve the current tax rates and amounts if there are any tax related changes.

Day End Processing

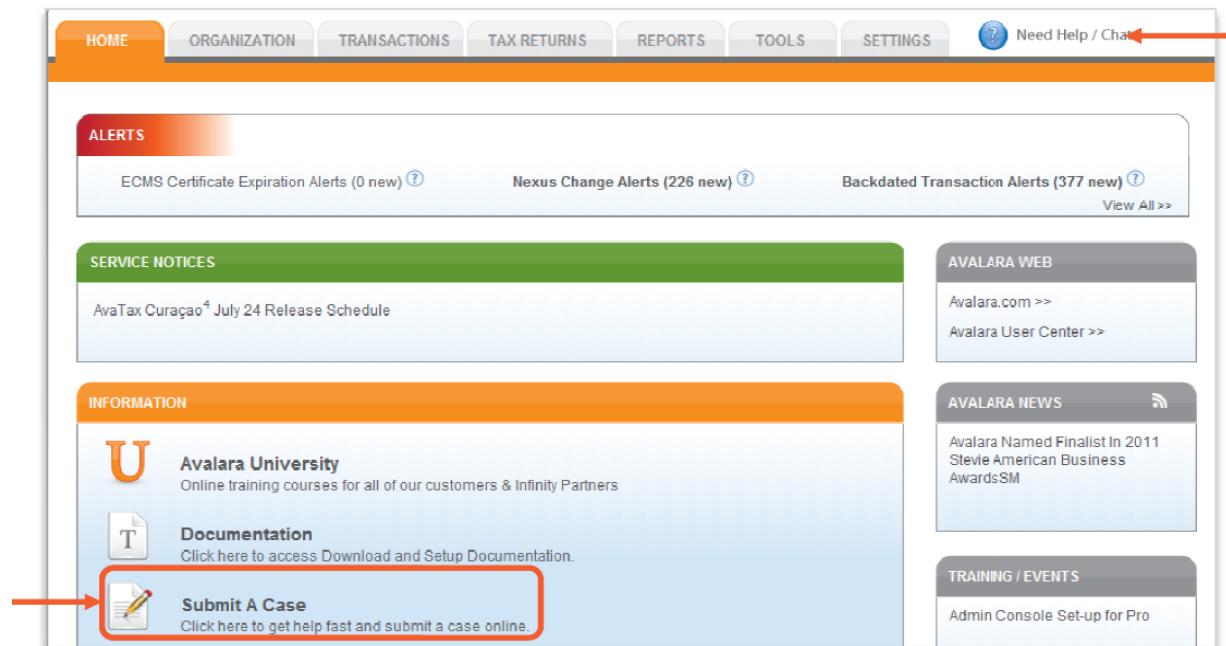
Day end processing is completely automated if you chose the Auto Update option in AvaTax Control File Maintenance. If not, you will need to manually run the Commit Invoices to AvaTax update as the final step in tax posting. Any adjustments to the transaction afterwards must be handled via Cash Receipts Entry and Adjustments or the traditional credit and rebill process.

APPENDIX A

Avalara Support

If you have questions about AvaTax, please contact Avalara Support with our toll free number at 1-877-780-4848, option 2. Standard support hours are 7:00 a.m. to 4:00 p.m. Pacific, Monday through Friday.

Requests for assistance can also be placed online via the AvaTax Admin Console (<https://adminavatax.avalara.net/>).



The Home Screen of the AVATax Admin Console can be used to submit a Support Case.

APPENDIX B

Error Messages

Error. Company Not Found. Verify the Company Code. XX
Tax Calculation Failed.

This indicates that company "XX" is not the company code used in the AvaTax web console. The company code used must exist as a valid company code in the AvaTax console.

Communication Status: FAILED: HTTP status '404' received retrieving file.

Most likely, this indicates you have made an error with the Avalara URL in the AvaTax Control F/M.

An http status 404 uploading customers is usually an indication that the customer or ship-to address is incomplete and likely missing the state.

APPENDIX C

Generic Tax Calculation

For developers who wish to leverage the FACTS Connector for other PXPlus based applications, the self documenting code is found below.

```

34900 AVATAX_GENERIC_CALC:! ^100,5
34904 ! Note that this routine will calculate tax, but it will never commit to AvaTax, so none of these will
ever be reportable tax events.
34905 ! Call/Enter variables are as follows:
34906 ! arcust = channel number for ARCUST data file - optional.
34907 ! arship = channel number for ARSHIP data file - optional.
34908 ! The next variable is 'options$' and is being set by the tbl commands.
34909 ! doc_num$ is required. It is a unique identifier. It does not need to be unique if you don't care
about logs, etc. but it cannot be blank. Recommended 6 digits.
34910 ! cust_num$ = customer number - required and must be a valid customer number.
34911 ! doc_date$ = date for affective tax calculation - required. Six digit packed julian date.
34912 ! tax_rate_flag$ = document tax rate flag H, L, or X - optional, will default to H if left blank.
34913 ! ship_to_num$ = Customer's ship-to - optional, will default to " SAME" if left blank.
34914 ! reference_num$ = Reference Number - optional.
34915 ! branch$ = Branch where the transaction occurred - optional IF whse$ is supplied.
34916 ! whse$ = Warehouse where the transaction occurred - optional IF branch$ is supplied.
34917 ! ship_via$ = Ship Via for this transaction - optional. Ship Via will only be used if whse$ is supplied.
Ship Via will be used to see if the transaction should be taxed as a will call.
34918 ! tax_code$ = AvaTax tax code normally assigned to an item - optional.
34919 ! entity_use_code$ = AvaTax entity use code - optional. If not supplied, entity use code assigned to
customer, ship-to, etc. will still be looked up and used.
34920 ! line_tax_flag$ = line item tax flag we would normally get from SORSOL - optional. If not supplied
'Y' will be assumed.
34921 ! quantity$ = quantity to multiply by price before calculating tax - optional. If not supplied 1 is
assumed.
34922 ! price$ = price to multiply by quantity before calculating tax - required. This can be the full
amount to calculate tax on if quantity$ is blank or set to 1.
34923 ! invoice_discount$ = Discount amount to pass into the tax calc engine (if any) - optional. This is
the same as the invoice discount on the footer of a sales order invoice.
34925 ! doc_taxable is returned from the tax calc and will be the taxable amount.
34926 ! doc_total_tax is returned from the tax calc and will be the amount of tax calculated.
34927 ! doc_tax_rate is returned from the tax calc and is the net combined tax rate.
34928 ! tax_status$ = status of transaction returned from the tax calc. OK=no problems.
34930 call
"prog/TX/TXC010;single_amount_tax",(arcust),(arship),tbl(get_avatax_detail,"","line_detail,")+tbl(_no_ui,"","s
ilent"),(doc_num$),(cust_num$),(doc_date$),(tax_rate_flag$),(ship_to_num$),(reference_num$),(branch$),(w
hse$),(ship_via$),(tax_code$),(entity_use_code$),(line_tax_flag$),(quantity$),(price$),num(invoice_discount$)
,doc_taxable,doc_total_tax,doc_tax_rate,tax_status$
34945 if tax_status$ <> "OK" and tax_status$ <> "Tax server is inactivated in Tax Static Control F/M" then
z$="Tax calculation failed"; gosub 8810
34995 return

```

APPENDIX D

Features by FACTS Version – initially released at 7.7 and retrofitted to 7.5

- Returned items (negative quantity) in sales orders referencing Usage Date for calcs – 7.8
- Avalara company code in Branch F/M – 7.8
- Cash Basis calculations – 7.8
- Find Obsolete Tax Codes – 7.8
- Import Items/Classes from Previous Customer in Customer/Item Configuration – 7.9
- Post Past Invoices (not including Cash Basis) - 7.9
- Update Past Invoices – 9.1
- Use Register Date – 9.1
- Geolocation via entry of latitude and longitude in Customer/Item Configuration – 9.1
- Cash Basis support using Post Past Invoices – 9.2
- Statistics tab in Control F/M showing “hits” activity – 9.3
- Ability to exempt “NEW” customer in quote entry while not using legacy exempt flags – 9.3
- Options by State F/M for controls specific to individual states – 9.3

APPENDIX E

Partner Custom Modification Hook Points

The FACTS Connector contains a number of hook points enabling partners to introduce modifications. There is also a variable "custom_avatax_options\$" that can be loaded with custom data for use in these routines. Each data piece in this string needs to end with a comma. Here are two examples:

```
custom_avatax_options$="mycustomoption," or  
custom_avatax_options$="mycustomoption,customfrt=12.95,"
```

Below is a list of the hook points found in the tax calculation engine TXC010 that call out to a custom overlay. Note that TXC010 is a protected program. We will be happy to work with your technical resources to fully explain how to leverage these hook points.

```
2227 perform "prog/TX/TXC01A;init_soquote_docs",err=*next
```

This is performed when tax is to be calculated for a sales order quote. It is performed after we have completed our standard initialization including opening any files channels, but before the quote information is gathered and assembled to be sent to AvaTax.

```
2337 perform "prog/TX/TXC01A;init_so_order_docs",err=*next  
Same as above, but for sales order orders and invoices.
```

```
2753 perform "prog/TX/TXC01A;init_sr_invoice_docs",err=*next  
in the initialization routine for service and repair invoice tax calc.
```

```
3127 perform "prog/TX/TXC01A;init_txacp_docs",err=*next  
in the initialization routine for cash receipts tax adjustments.
```

```
3737 perform "prog/TX/TXC01A;init_past_inv_docs",err=*next
```

This is the same as above. There is a routine that calculates tax on a past invoice. It is used when tax needs to be adjusted on an invoice that was completed before AvaTax was in use. It give us an AvaTax answer to work against when recording an adjustment of an invoice to AvaTax. This hook point is in the initialization section of this routine.

```
5385 perform "prog/TX/TXC01A;exit_pgm",err=*next
```

This routine is performed after file channels are closed and before TXC010 is exited.

```
20940 if not(changed_txc01a_read_arcust) or got_txc01a_read_arcust then  
checked_txc01a_read_arcust=1; perform "prog/TX/TXC01A;read_arcust",err=*next;  
got_txc01a_read_arcust=1
```

There is a block of code call 'read_arcust' that all of the routines in TXC010 use whenever if needs to get customer information. This routine reads arcust\$ from arcust. It also reads TXEUCH, looking for a record for the specific customer. This perform happens after both of these reads have finished.

```
20980 if not(checked_txc01a_read_arship) or got_txc01a_read_arship then
checked_txc01a_read_arship=1; perform "prog/TX/TXC01A;read_arship",err=*next;
got_txc01a_read_arship=1
```

Same as above, but for a customer ship-to. By the time it does this perform, it has read arship into arship\$ and txeuch into txeuch\$ for the specific customer and ship-to. If the read to arship is not successful, then the routine is exited before this perform takes place.

```
21020 if not(checked_txc01a_read_apvend) or got_txc01a_read_apvend then
checked_txc01a_read_apvend=1; perform "prog/TX/TXC01A;read_apvend",err=*next;
got_txc01a_read_apvend=1
```

This routine is performed after apvend is read. However, the read_apvend block currently does not read the entire apvend record. It reads in vendor_city\$, vendor_zip_code\$, vendor_addr1\$, vendor_addr2\$, vendor_addr3\$, vendor_state\$, vendor_country\$, and vendor_addr2\$

```
21070 if not(checked_txc01a_read_icwhcd) or got_txc01a_read_icwhcd then
checked_txc01a_read_icwhcd=1; perform "prog/TX/TXC01A;read_icwhcd",err=*next;
got_txc01a_read_icwhcd=1
```

This perform happens after icwhcd has been read. The entire icwhcd record is not read. The variables it does read in are whse_addr1\$, whse_addr2\$, whse_addr3\$, whse_city\$, whse_state\$, whse_zip_code\$, whse_country\$, and whse_addr2a\$

```
24212 perform "prog/TX/TXC01A;get_exclude_states",err=*next
```

There is a block of code in TXC010 called filter_states. This routine is used before the tax request is built and sent to AvaTax. In this hook point, any 2 digit state codes added to exclude_states\$ will be used to filter against. If a 'destination state' is found in exclude_states\$ then the related transaction will not be sent to AvaTax.

```
30630 perform "prog/TX/TXC01A;post_get_soqsoh_header_info",err=*next
```

This perform is at the end of the get_soqsoh_header_info block. This block of code does a gosub read_arcust (if customer is not NEW), and a gosub to read arship (if ship-to is not SAME). The main thing this block of code does is sets the variables arship.ship_to_name, arship.ship_to_addr_1\$, arship.ship_to_addr_2\$, etc. These variables are set by reading arship, or if ship-to is SAME, these variables are set to their corresponding arcust counterparts. If

customer is 'NEW' then these variables are set based on the address information in SOQSOH. So, this hook point is designed to allow you to change ship-to address information for a quote if needed.

```
30877 perform "prog/TX/TXC01A;post_get_quote_lines",err=*next
```

This hook point is in the get_quote_lines routine which is responsible for getting quote line information and writing to a memory file. The memory file is later read when building the xml for AvaTax. If there are freight charges on the quote, this is also written to the line item memory file. Here are the writes to the memory file in this block:

```
30850 write
```

```
(doc_lines)soqsol.line_num$,destination_address_code$,origin_address_code$,stp(soqsol.item_num$,2),tax_code$,stp(entity_use_code$,2),stp(soqsol.description_1$,2)+tbl(nul(soqsol.description_1$) or nul(soqsol.description_2$),"
```

```
",")+stp(soqsol.description_2$,2),str(abs(num(soqsol.quantity$))),line_extension$,discountable$
```

```
30870 write
```

```
(doc_lines)"FRT",tbl(will_call$="Y","ST","WH"+init_whse$),"WH"+init_whse$,"Freight",tbl(nul(ship_via_tax_code$),stp(ship_via_tax_code$,2),"FR000000"),stp(entity_use_code$,2),"Outbound Freight","1",str(doc_freight),"
```

Using the hook point on line 30877, you can remove, manipulate, or add line item information to the memory file as needed.

```
30980 perform "prog/TX/TXC01A;post_get_sorsoh_header_info",err=*next
```

See explanation of post_get_soqsoh_header_info above since this is pretty much the same, other than there is no 'NEW' customer option in sorsoh. Also, this get_sorsoh_header_info block of code also sets tax_date\$ and doc_date\$ based on the following: Invoice or counter sale, doc_date\$=invc_date\$; credit memo, set based on date selection in tax control. Orders do not have an invc_date\$ but order_date\$ is set to the order date. So, you can change these dates if needed using this hook point as well.

```
31257 if not(checkso_ship_pre_write_doc_line) or got_so_ship_pre_write_doc_line then  
checked_so_ship_pre_write_doc_line=1; perform
```

```
"prog/TX/TXC01A;so_ship_pre_write_doc_line",err=*next; got_so_ship_pre_write_doc_line=1
```

This hook point happens in the get_order_lines block right before a sales order document line is written to the line item memory file as described above (for post_get_quote_lines). Here is the write to the memory file that happens right after this perform is attempted:

```
31260 write
```

```
(doc_lines)sorsol.line_num$,destination_address_code$,origin_address_code$,stp(sorsol.item_num$,2),tax_code$,stp(entity_use_code$,2),stp(sorsol.description_1$,2)+tbl(nul(sorsol.description_1$) or nul(sorsol.description_2$),"
```

```
",")+stp(sorsol.description_2$,2),str(abs(num(line_quantity$))),line_extension$,discountable$
```


Note that if line_extension\$ is zero then the line will not be written to the memory file.

```
31310 perform "prog/TX/TXC01A;post_get_order_lines",err=*next
```

See explanation of post_get_quote_lines. This is in the same get_order_lines block as the above hook point but happens at the end of the block after lines and freight has been written to the memory file. Here is the logic that writes the freight to the memory file:

```
31280 select junk$,*,frt_whse$,*,freight$,*,clippership$ from sofrwh,kno=0 begin
%a0$+doc_num$ end %a0$+doc_num$+%lc$ where
num(freight$)+num(mid(clippership$,14,11))<>0
31285 doc_freight=num(freight$)+num(mid(clippership$,14,11))
31290 if doc_freight<>0 then write
(doc_lines)"FRT"+frt_whse$,tbl(will_call$="Y","ST","WH"+frt_whse$),"WH"+frt_whse$,"Freight",tbl
(nul(ship_via_tax_code$),stp(ship_via_tax_code$,2),tbl(num(mid(clippership$,14,11))<>0,"FR0000
00","FR030000")),stp(entity_use_code$,2),"Outbound Freight","1",str(doc_freight),"
31295 next record
```

```
31312 TXC01A;so_ship_pre_write_freight_line
```

This is inside of the SOFRWH loop where it is pulling freight record(s) to add to the order when submitting to AvaTax. It was added to the sales order block and the service and repair document block. (the same as TXC01A;so_ship_pre_write_doc_line)

```
31457 if not(changed_so_back_pre_write_doc_line) or got_so_back_pre_write_doc_line then
changed_so_back_pre_write_doc_line=1; perform
"prog/TX/TXC01A;so_back_pre_write_doc_line",err=*next; got_so_back_pre_write_doc_line=1
```

This is the same as the so_ship_pre_write_doc_line, but happens for backordered lines. Here is the write to the memory file that happens after this perform:

```
31460 write
(doc_lines)sorsol.line_num$,destination_address_code$,origin_address_code$,stp(sorsol.item_nu
m$,2),tax_code$,stp(entity_use_code$,2),stp(sorsol.description_1$,2)+tbl(nul(sorsol.description_1
$) or nul(sorsol.description_2$),"
","")+stp(sorsol.description_2$,2),str(abs(line_quantity)),line_extension$,discountable$
```

```
32248 if not(changed_so_ship_pre_write_doc_line) or got_so_ship_pre_write_doc_line then
changed_so_ship_pre_write_doc_line=1; perform
"prog/TX/TXC01A;so_ship_pre_write_doc_line",err=*next; got_so_ship_pre_write_doc_line=1
```

This hook point is in the get_sr_backorder_lines (related to service and repair). It is in the block of code that is writing sorsol lines to the memory file (if mid(w7\$,1,1)+mid(w7\$,46,1)<>"SA"). Here is the write to the memory file that happens after this hook point.

32251 write

```
(doc_lines)sorsol.line_num$,destination_address_code$,origin_address_code$,stp(sorsol.item_num$,2),tax_code$,stp(entity_use_code$,2),stp(sorsol.description_1$,2)+tbl(nul(sorsol.description_1$) or nul(sorsol.description_2$),"", "")+stp(sorsol.description_2$,2),str(abs(num(line_quantity$))),line_extension$,discountable$
```

32448 if not(checked_so_ship_pre_write_doc_line) or got_so_ship_pre_write_doc_line then

checked_so_ship_pre_write_doc_line=1; perform

```
"prog/TX/TXC01A;so_ship_pre_write_doc_line",err=*next; got_so_ship_pre_write_doc_line=1
```

Same as above, but for non-backordered service and repair lines. Here is the write to the memory file that happens after this hook point.

32451 write

```
(doc_lines)sorsol.line_num$,destination_address_code$,origin_address_code$,stp(sorsol.item_num$,2),tax_code$,stp(entity_use_code$,2),stp(sorsol.description_1$,2)+tbl(nul(sorsol.description_1$) or nul(sorsol.description_2$),"", "")+stp(sorsol.description_2$,2),str(abs(num(line_quantity$))),line_extension$,discountable$
```

34880 perform "prog/TX/TXC01A;post_get_sopinh_header_info",err=*next

When calculating taxes for a past invoice that was completed before AvaTax was in use, there is a get_sopinh_header_info routine that is used to get header information. This block of code set arship.ship_to_addr_1\$, arship.ship_to_addr_2\$, etc. based on information found in sopina. It also conditionally sets doc_date\$ and invc_date\$ as described above. So, you can change these values as needed with this hook point.

35057 if not(checked_so_past_pre_write_doc_line) or got_so_past_pre_write_doc_line then

checked_so_past_pre_write_doc_line=1; perform

```
"prog/TX/TXC01A;so_past_pre_write_doc_line",err=*next; got_so_past_pre_write_doc_line=1
```

Same as so_ship_pre_write_doc_line described above, except for past invoices. Here is the write to the memory file that happens right after this line of code:

35060 write

```
(doc_lines)sopind.line_num$,destination_address_code$,origin_address_code$,stp(sopind.item_num$,2),tax_code$,stp(entity_use_code$,2),stp(sopind.description_1$,2)+tbl(nul(sopind.description_1$) or nul(sopind.description_2$),"", "")+stp(sopind.description_2$,2),str(abs(num(line_quantity$))),line_extension$,discountable$
```

35100 perform "prog/TX/TXC01A;post_get_past_invc_lines",err=*next

Same as post_get_order_lines described above, except for past invoices. Note that freight is read out of sopfrw instead of sofrwh.

35275 if not(checked_so_past_pre_write_doc_line) or got_so_past_pre_write_doc_line then
checked_so_past_pre_write_doc_line=1; perform
"prog/TX/TXC01A;so_past_pre_write_doc_line",err=*next; got_so_past_pre_write_doc_line=1
35450 perform "prog/TX/TXC01A;post_get_past_sr_inv_lines",err=*next

Same as the two hook points above, but for past service and repair lines.

TXALIB is not protected so anyone can look at this program to get more information about these hook points. Most of these follow a tax calculation by AvaTax and are performed before the FACTS variables are overridden by the values returned from AvaTax.

23950 perform "prog/TX/TXALIC;get_sales_tax_values",err=*next
24320 if not(checked_arr214_update_arcschl) or got_arr214_update_arcschl then
checked_arr214_update_arcschl=1; perform "prog/TX/TXALIC;arr214_update_arcschl",err=*next;
got_arr214_update_arcschl=1

25720 perform "prog/TX/TXALIC;get_entity_use_code",err=*next

26350 if not(checked_write_txadjl) or got_write_txadjl then checked_write_txadjl=1; perform
"prog/TX/TXALIC;write_txadjl",err=*next; got_write_txadjl=1

26950 if not(checked_update_sopinh_tax) or got_update_sopinh_tax then
checked_update_sopinh_tax=1; perform "prog/TX/TXALIC;update_sopinh_tax",err=*next;
got_update_sopinh_tax=1
30130 perform "prog/TX/TXALIC;avatax_are112_calc",err=*next; on go_back goto 30138,30125

30230 perform "prog/TX/TXALIC;avatax_arp11_calc",err=*next; on go_back goto 30238,30225

30330 perform "prog/TX/TXALIC;avatax_aru111_calc",err=*next; on go_back goto 30338,30325

30530 perform "prog/TX/TXALIC;avatax_are132_calc",err=*next; on go_back goto 30538,30525

30720 perform "prog/TX/TXALIC;avatax_soc114_calc",err=*next; on go_back goto 30728,30715

31025 perform "prog/TX/TXALIC;avatax_soc490_calc",err=*next; on go_back goto 31033,31020

31140 perform "prog/TX/TXALIC;avatax_soc504_calc",err=*next; on go_back goto 31148,31115

31320 perform "prog/TX/TXALIC;avatax_soc755_calc",err=*next; goto 31328

31450 perform "prog/TX/TXALIC;avatax_sop31_calc",err=*next; on go_back goto 31458,31430

31520 perform "prog/TX/TXALIC;avatax_sop32_calc",err=*next; on go_back goto 31528,31515

31630 perform "prog/TX/TXALIC;avataxc_soe352_calc",err=*next; on go_back goto 31638,31625

31830 perform "prog/TX/TXALIC;avatax_sou321_calc",err=*next; on go_back goto 31838,31825

31920 perform "prog/TX/TXALIC;avatax_sre31_single_line_calc",err=*next; on go_back goto 31928,31915

32520 branch_to=0; perform "prog/TX/TXALIC;avatax_SRE512_calc",err=*next; on branch_to goto *next,32548,32515

32725 branch_to=0; perform "prog/TX/TXALIC;avatax_SRE332_calc",err=*next; on branch_to goto *next,32753,32720

32830 branch_to=0; perform "prog/TX/TXALIC;avatax_sru591_calc",err=*next; on branch_to goto *next,32858,32825

32920 perform "prog/TX/TXALIC;avatax_erc114_calc",err=*next; on go_back goto 32928,32915

33220 perform "prog/TX/TXALIC;avatax_erp11_calc",err=*next; on go_back goto 33228,33215

33320 perform "prog/TX/TXALIC;avatax_erp15_calc",err=*next; on go_back goto 33328,33315

33420 perform "prog/TX/TXALIC;avatax_erc124_calc",err=*next; on go_back goto 33430,33415

33435 perform "prog/TX/TXALIC;avatax_erc124_calc_current",err=*next; on go_back goto 33443,33430

33620 perform "prog/TX/TXALIC;avatax_erp12_calc",err=*next; on go_back goto 33628,33615

33720 perform "prog/TX/TXALIC;avatax_ere232_calc",err=*next; on go_back goto 33728,33715

33920 perform "prog/TX/TXALIC;avatax_erc214_calc",err=*next; on go_back goto 33928,33915

33935 perform "prog/TX/TXALIC;avatax_erc214_calc_current",err=*next; on go_back goto 33938,33930

34120 perform "prog/TX/TXALIC;avatax_erp22_calc",err=*next; on go_back goto 34128,34115

34220 perform "prog/TX/TXALIC;avatax_erp23_calc",err=*next; on go_back goto 34228,34215

34320 perform "prog/TX/TXALIC;avatax_ere260_calc",err=*next; on go_back goto 34328,34315

34335 perform "prog/TX/TXALIC;avatax_ere260_calc_current",err=*next; on go_back goto 34338,34330

34425 perform "prog/TX/TXALIC;avatax_ws_calc",err=*next; on go_back goto 34433,34420

34640 perform "prog/TX/TXALIC;avatax_txu141_calc",err=*next; on go_back goto 34648,34615

36017 perform "prog/TX/TXALIC;init_check_sorsol_delivery_fee_line",err=*next

Quote Entry Force Exempt Entity Code for customer "NEW" in quote entry only:

Add the following line of code to "prog/TX/TXALIC;get_entity_use_code" :

if stp(cust_num\$,2)="NEW" and tax_rate_flag\$="X" then entity_use_code\$="L"

APPENDIX F

DOU100 Bug Fix

Normally, the last record in DOFILH is TUPROB1. There is special code in DOU100 that skips TU records and ends the update properly (see line 1045). This masks the fact that there is a bug in DOU100 since the bug only manifests itself if there are additional data files after the TU files. The problem is that when it hits the last record in DOFILH, if the last record is not a TU record, it stays on that last record, instead of hitting end of file and then fails when it tries to process TXUSEC the second time.

For 7.7 through 9.2:

Add this line:

```
10823 if k$(1,8)<>cur$(1,8) then goto FINALIZE_DD_OBJECT ! %xq.xx_system CK -- 9/11/2006 --  
Check for end of alternate keys now (before read) so we don't need to roll the key pointer back  
in FINALIZE_DD_OBJECT. This will correct a problem which happens when the last record in  
DOFILH is a normal file (not a TU file). Also see lines 16060 and 16065 which are disabled as  
they are not necessary with this line in place.
```

Remark out these lines:

```
16060 ! let K$=kep(DOFILH,end=*next) ! %xq.xx_system - see line 10823  
16065 ! read (DOFILH,key=K$,dir=0) ! %xq.xx_system - see line 10823
```

For 7.6 and prior:

Add this line:

```
10323 if k$(1,8)<>cur$(1,8) then goto FINALIZE_DD_OBJECT ! CK -- 9/11/2006 -- Check for end  
of alternate keys now (before read) so we don't need to roll the key pointer back in  
FINALIZE_DD_OBJECT. This will correct a problem which happens when the last record in  
DOFILH is a normal file (not a TU file). Also see lines 19045 and 19050 which are disabled as  
they are not necessary with this line in place.
```

Remark out these lines:

```
19045 ! let K$=kep(DOFILH,end=*next) ! CK -- 9/11/2006 -- This line is not necessary since the  
new line 10323 eliminates the need to roll the key back.  
19050 ! read (DOFILH,key=K$,dir=0) ! CK -- 9/11/2006 -- This line is not necessary since the new  
line 10323 eliminates the need to roll the key back.
```

APPENDIX G

Software Port Assignments

http=80 (outbound)

https=443 (outbound)