

MDS Esalestax AVALARA Interface Training Guide

Djf 4/16/2008 – updated 9/15/2020

Overview:

The MDS system has the ability to enter a tax jurisdiction and will allow you to calculate and create a tax register for your system. With the addition of the Esalestax interface MDS now will automatically calculate the correct taxable rates based upon your company's tax liability in each jurisdiction and the type of products you sell.

Each transaction will be sent via the internet to avalara.com and will return the total amount of tax for the order/shipment/invoice

Orders will create a tax transaction, but no actual tax is ever charged until your run the Invoice update process.

Once an invoice is processed it creates a tax liability for your company on avalara.com Esalestax also offers the ability to file the taxes automatically for each jurisdiction.

Alternately you can print the MDS tax Register, but you will have to separate your tax jurisdictions manually.

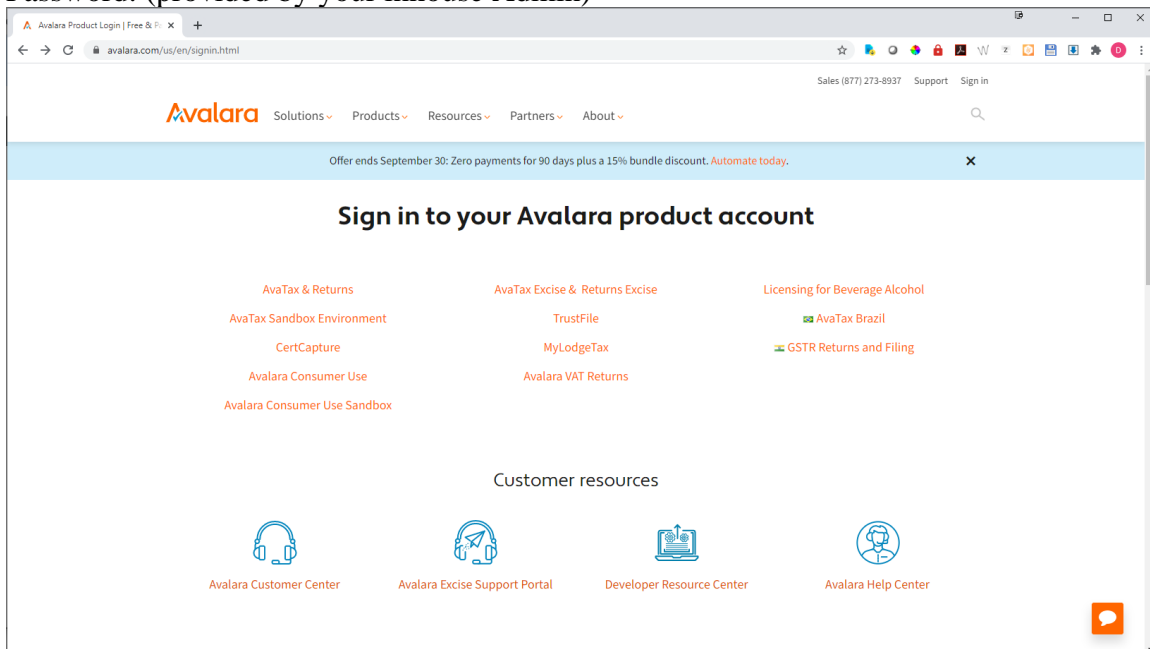
Step1. Logging in to the Avalara.com Web Interface

www.avalara.com

Required:

Username (provided by your inhouse Admin)

Password: (provided by your inhouse Admin)



Step 2. Setting up your Locations and Tax Nexus

WHERE YOU COLLECT TAX | MEDICAL SOLUTIONS, INC

Where you collect tax

These are the regions where you're responsible for collecting sales and use tax. You can view, add, remove, and edit regions.

[Sales and use tax](#) | [VAT / GST](#)

[Add to where you collect sales and use tax](#)

SEARCH
Region name [Apply](#) [Reset](#)

United States [Manage country details](#)

11 regions

REGION	JURISDICTIONS	EFFECTIVE	EXPIRATION
Florida	1 Sales tax only	08/12/2019	Details Delete

Add a new location:

WHERE YOU COLLECT TAX | MEDICAL SOLUTIONS, INC

State of Florida tax collection and remittance

Dates you set for the state collection authority apply to all the local jurisdictions in that state. To set begin and end dates for a specific local jurisdiction, edit that local jurisdiction.

Florida collection authorities

[Sales and use tax](#)

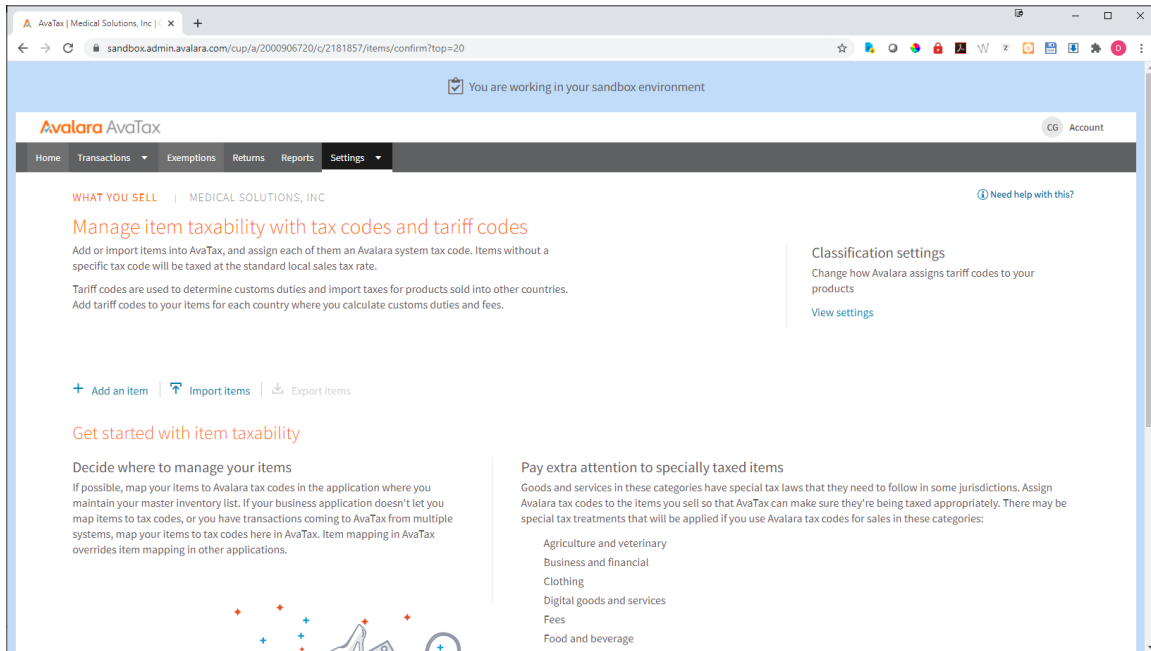
[Active](#) | [Expired](#) 1 collection authority

COLLECTION AUTHORITY	EFFECTIVE	EXPIRATION
Florida State	08/12/2019	Edit

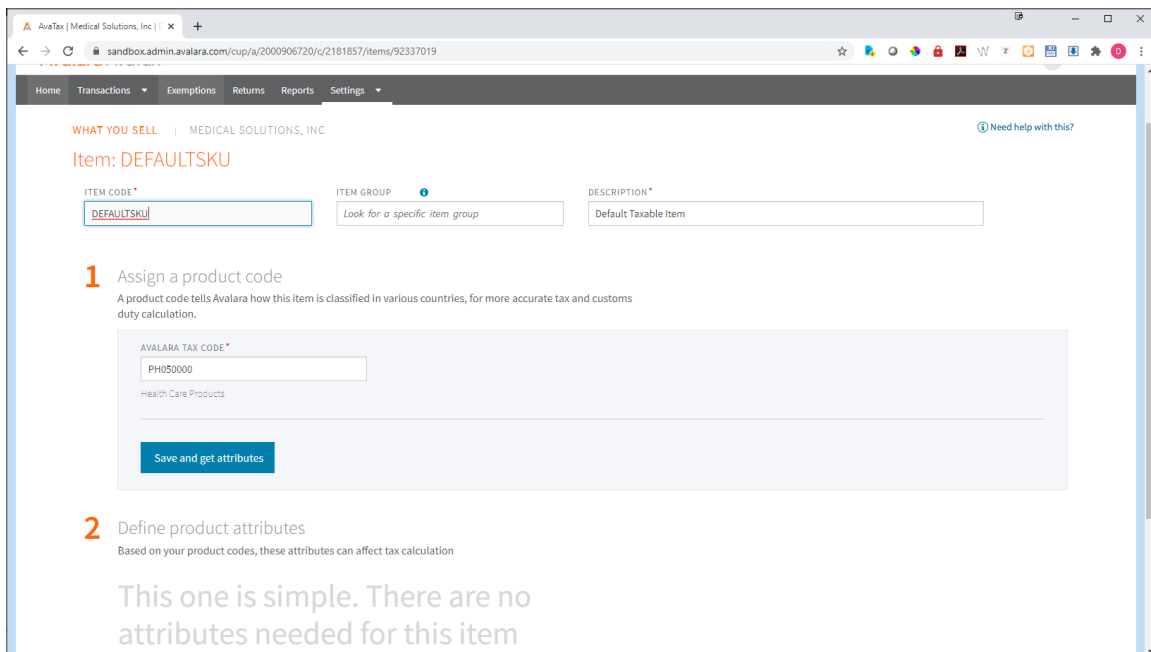
[Done with Florida](#)

Once you have setup all the jurisdictions you are charging tax in you will now need to define your default products

3. Define your default product



Once your default item category is setup all transactions will be based upon that product category – Example: General Merchandise or Medical Products



You are now ready to utilize the MDS Esalestax Interface
This step should be performed by your TSH Support Representative

Setup for PARAMETER ESALESTAX

0001: 199.5.163.136
0002: 1222
0003: DEFAULT
0004: Y
0005: Y
0006: Y
0007: PATH
0008: 2000906720
0009: 9DE0E0110C6DCEDE
0010: [http://avatax.avalara.com/services/\[AVALARA.TYPE\]](http://avatax.avalara.com/services/[AVALARA.TYPE])
0011: Y
0012: 05/20/12
0013: AVALARA
0014: Y
0015: [https://development.avalara.net/Tax/TaxSvc.aspx?\[AVALARA.TYPE\]](https://development.avalara.net/Tax/TaxSvc.aspx?[AVALARA.TYPE])
0016: AvaTaxforMDS-Nx
0017: TSH-MDS-Adapter
0018: *

As of release 12.10 MDS Requires that the Line Item Flag must be set to “Y”

If you turn on the address verification parameter this service must also be purchased from avalara.com

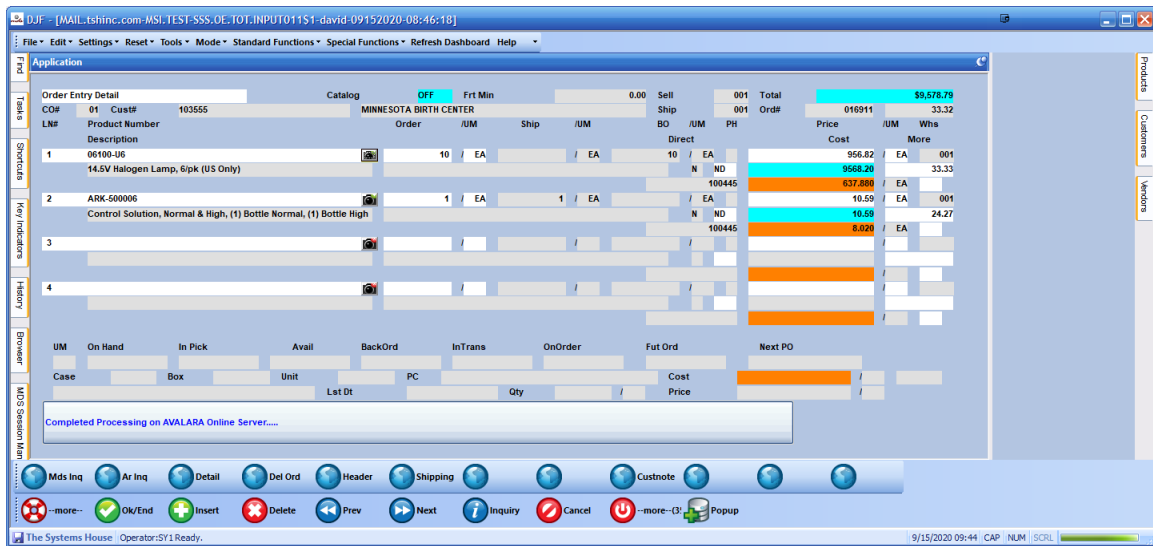
Your Serial number is provided by your TSH/Esalestax admin

NOTES FOR PARAMETER

0019: ** THIS IS ESALESTAX VERSION
0020: * attr #1 Esalestax Client IP Address
0021: * attr #2 Esalestax Client Port Number
0022: * attr #3 Customer's Esalestax Serial Number/Avalara profile name
0023: * attr #4 Line Items flag (for CALCULATE transaction) (Y/N)
0024: * attr #5 Address Verification flag (for CALCULATE transaction) (Y/N)
0025: * attr #6 Breakdown Taxes flag (for CALCULATE transaction) (Y/N)
0026: * attr #7 Esalestax Program Path (unix or NT path information) - old
0027: * attr #8 Username for Web Service (Speedtax)
0028: * attr #9 Password for Web Service (Speedtax)
0029: * attr #10 URL for Esalestax Web services :
0030: * ESALESTAX: [http://webservices.esalestax.net/CertiTAX.NET/\[REQUEST.TYPE\]](http://webservices.esalestax.net/CertiTAX.NET/[REQUEST.TYPE])
0031: * SPEEDTAX: <http://service.myspeedtax.com/tx/services/STxTransactionService>
0032: * AVALARA: [https://avatax.avalara.com/services/\[AVALARA.TYPE\]](https://avatax.avalara.com/services/[AVALARA.TYPE])
0033: * [https://development.avalara.net/Tax/TaxSvc.aspx?\[AVALARA.TPE\]](https://development.avalara.net/Tax/TaxSvc.aspx?[AVALARA.TPE])
0034: * [https://avatax.avalara.net/Tax/TaxSvc.aspx?\[AVALARA.TYPE\]](https://avatax.avalara.net/Tax/TaxSvc.aspx?[AVALARA.TYPE])
0035: * attr #11 Flag to determine if Esalestax is active on this account(Y/N)

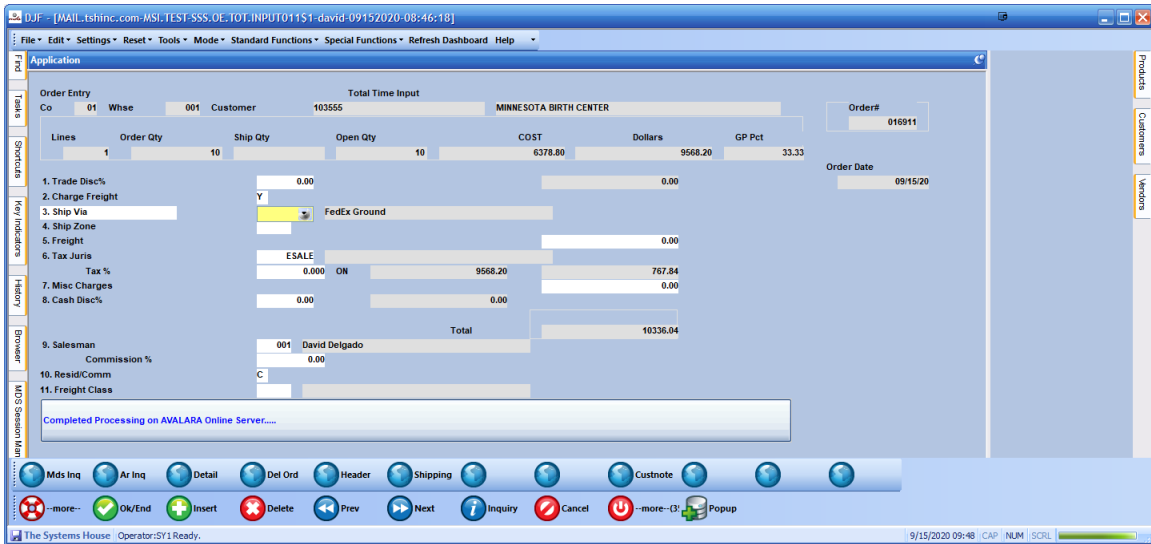
- 0036: * attr #12 Start date in MM/DD/YY format - can't send tax before this dt
- 0037: * attr #13 interface type ESALESTAX or SPEEDTAX or AVALARA
- 0038: * attr #14 - Send using Curl Y/N
- 0039: * attr #15 - Url for Suretax
- 0040: * attr #16 - AVALARA profile CLIENT
- 0041: * attr #17 - AVALARA profile ADAPTER
- 0042: ** NEW URLS FROM SURETAX
- 0043: * http://webservices.esalestax.net/CertiTAX.NET/[REQUEST.TYPE]
- 0044: * https://testapi.taxrating.net/Services/STOL/STD/V01/CertiCalc.asmx
- 0045: *

During various processes (order entry, maintenance, verification, credit memos etc.) You will see a new popup informing you that the MDS system is communicating with the Esalestax system.



Once a response from the Esalestax system is received the MDS system will inform you of any errors or response codes.

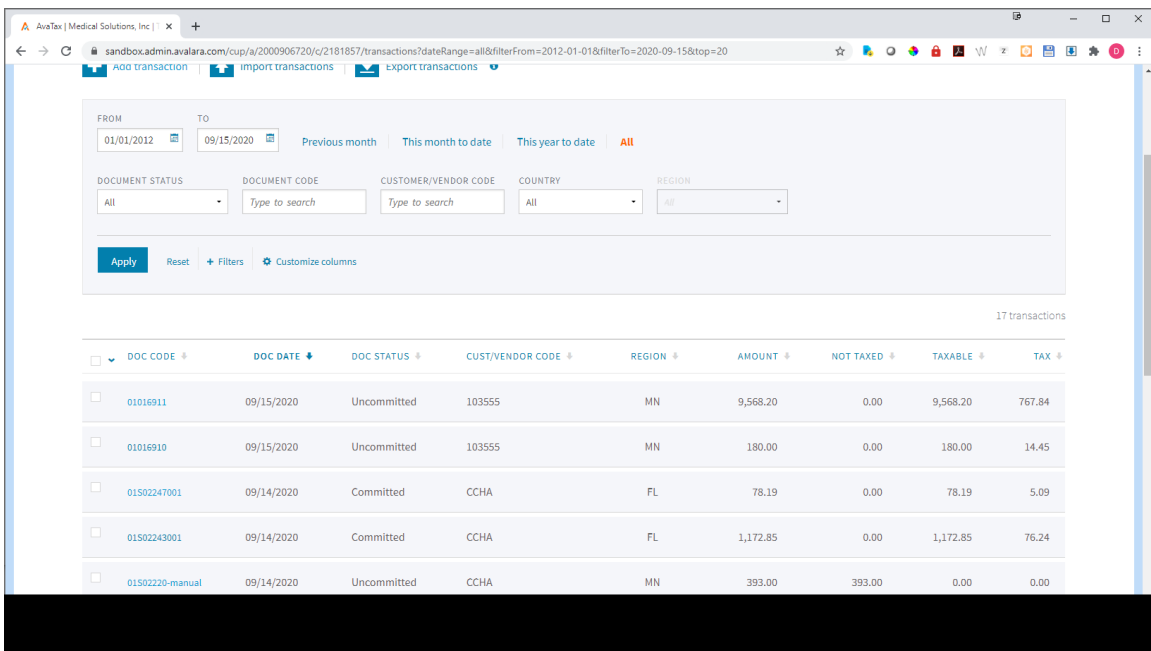
If there are no errors the Tax base (9568.20 in the example below) and the Tax Amount (767.84) are displayed and stored in the order/release record As well as a certitax transaction ID. The Jurisdiction will be ESALE for Automated Sales Tax Calculation



Examples of an error would be a communications Error (Code 999)
 The most common error is a 999 – this is caused by the server not responding within 5 seconds - - and is a non-fatal error – you can recalculate by going to the ship via or freight class fields.

You can now verify that the transaction was successfully transmitted to the avalara.com website by logging in and going to the transactions tab.

The MDS order/Credit Memo/Release number is sent to Esalestax for lookup purposes



You can then view the details for each transaction

The screenshot shows the AvaTax web interface for Medical Solutions, Inc. The page title is "TRANSACTIONS | MEDICAL SOLUTIONS, INC" and the specific invoice is "Sales invoice: 01016911".

Invoice detail

DOCUMENT CODE	01016911
STATUS	Uncommitted
DOCUMENT DATE	09/15/2020
TAX DATE	09/15/2020
COMPANY	Medical Solutions, Inc

Additional info

EXEMPTION CERTIFICATE APPLIED	No
IMPORTER OF RECORD?	No
CURRENCY	USD
DISCOUNT	0

Customer info

ENTITY USE CODE	None
CUSTOMER	103555

SHIP FROM 10401 93rd Ave N Ste 100 Maple Grove, MN 55369-4198 US
SHIP TO ATTN: Ali Cluka 2606 Chicago Ave Minneapolis, MN 55407-3706 US

Tax summary

	AMOUNT	DISCOUNT	NOT TAXED	TAXABLE	TAXES/FEEES	TOTAL
	9,568.20	0.00	0.00	9,568.20	767.84	10,336.04

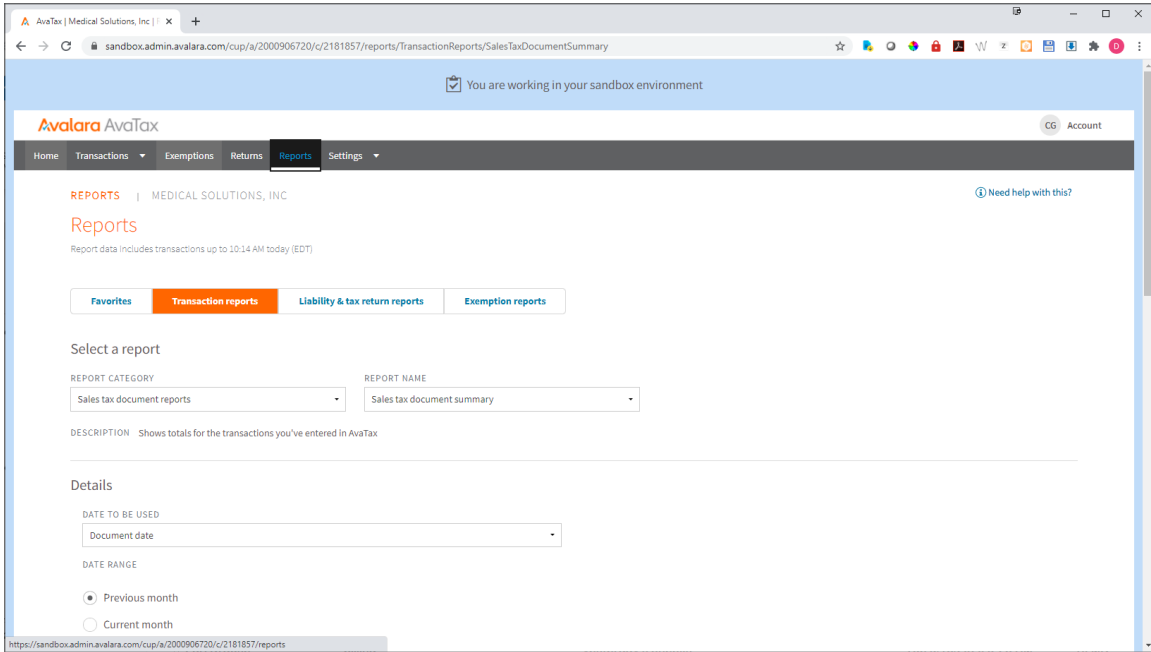
Line items

Buttons: + Add a line item, % Calculate tax, Review tax calculations

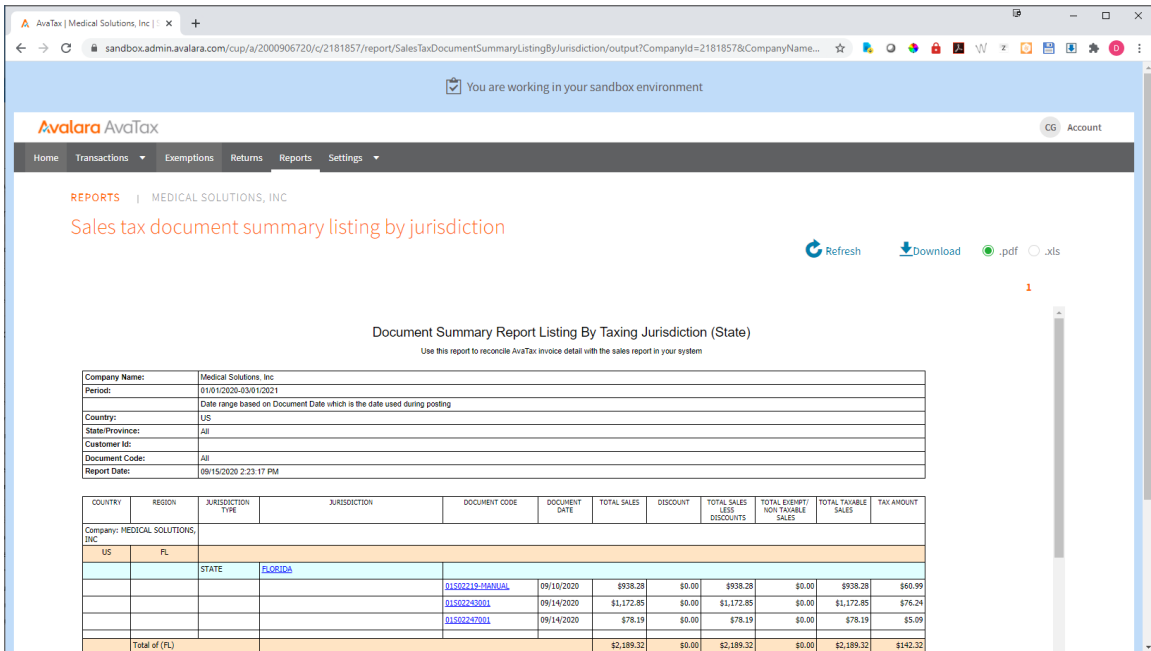
TAX DETAILS	LINE	ITEM CODE	DESCRIPTION	QTY	AMOUNT	DISCOUNT	NOT TAXED	TAXABLE	TAXES/FEEES	TOTAL
	2			1	0.00	0.00	0.00	0.00	0.00	0.00

Once the MDS Invoice Update process is run the tax transactions are converted from “Uncommitted” to “Committed”
And creates a tax liability for your company

At the end of your reporting periods (monthly, quarterly, etc.) you can now run a register on the Esalestax system and check against the sales tax totals for the same period in the MDS system. NOTE: Because MDS doesn’t calculate the totals we can only match to the totals and if there is a discrepancy you will need to summarize by customer or ship to location on both sides using reporting tools to identify any issues.



The Avalara.com website provides useful spreadsheets for reporting, as does the MDS system.



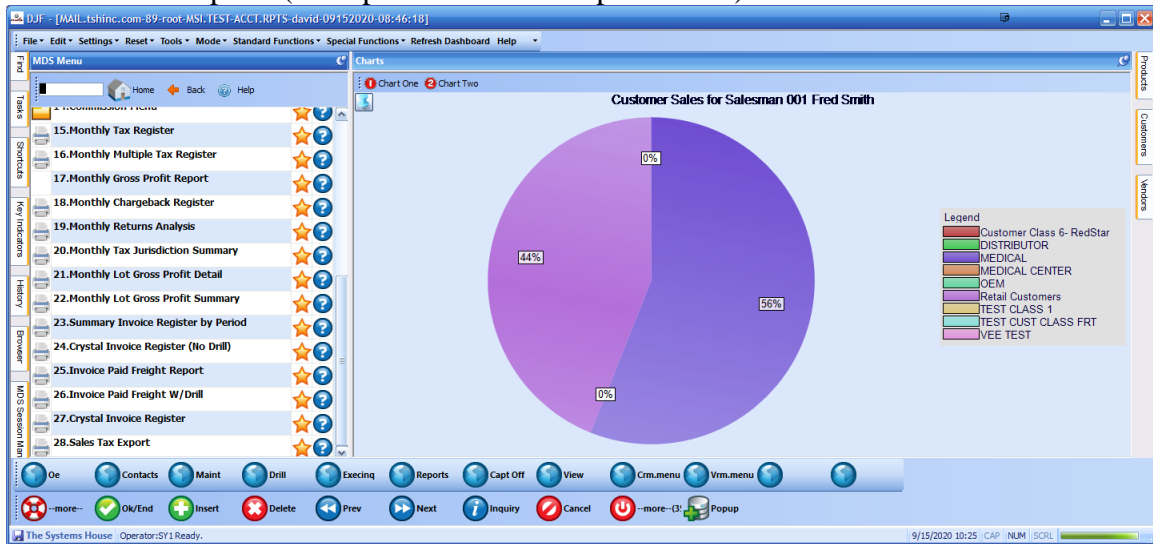
Here is an example of the spreadsheet you can download

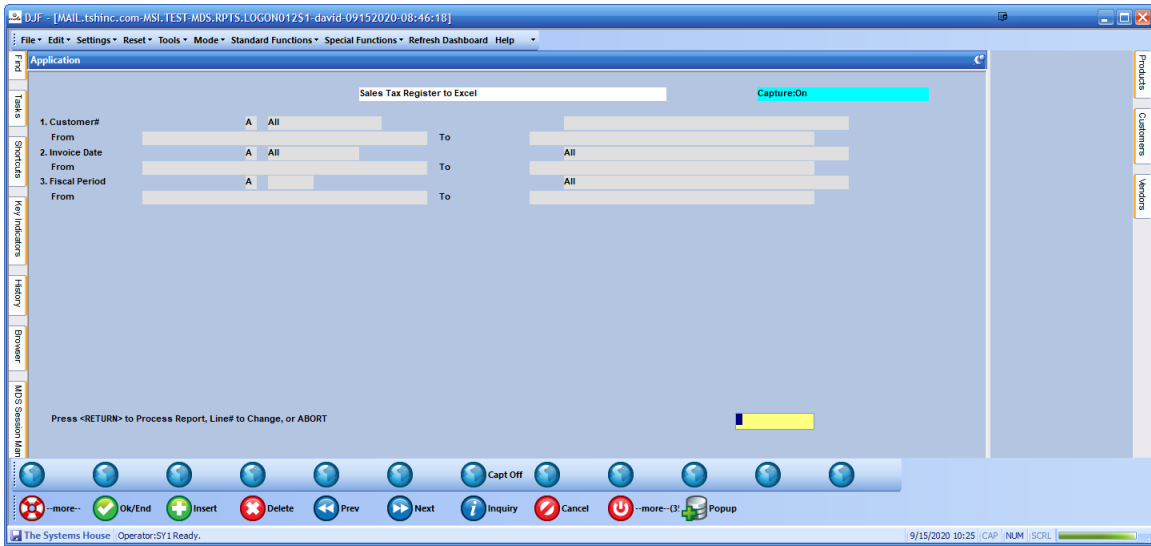
Document Summary Report Listing By Taxing Jurisdiction (State)
 Use this report to reconcile AvaTax invoice detail with the sales report in your system

Company Name: Medical Solutions, Inc
 Period: 01/01/2020-03/01/2021
 Date range based on Document Date which is the date used during posting
 Country: US
 State/Province: All
 Customer Id:
 Document Code: All
 Report Date: 09/15/2020 2:23:48 PM

COUNTRY	REGION	JURISDICTION TYPE	JURISDICTION	DOCUMENT CODE	DOCUMENT DATE	TOTAL SALES	DISCOUNT	TOTAL SALES LESS DISCOUNTS	TOTAL EXEMPT/ NON TAXABLE SALES	TOTAL TAXABLE SALES	TAX AMOUNT
US	FL	STATE	FLORIDA	01502219-MANJAL	09/10/2020	\$938.28	\$0.00	\$938.28	\$0.00	\$938.28	\$60.99
				01502243001	09/14/2020	\$1,172.85	\$0.00	\$1,172.85	\$0.00	\$1,172.85	\$76.24
				01502247001	09/14/2020	\$78.19	\$0.00	\$78.19	\$0.00	\$78.19	\$5.09
Total of (FL)						\$2,189.32	\$0.00	\$2,189.32	\$0.00	\$2,189.32	\$142.32
Total of MEDICAL SOLUTIONS, INC						\$2,189.32	\$0.00	\$2,189.32	\$0.00	\$2,189.32	\$142.32

To run a register from MDS you can use any of the standard Tax Listings or Your custom exports (example of a custom export below)





	Shipto Addr2	Shipto City	Shipto County	Shipto State	Shipto Zip	Total Order\$	Tax Code	Tax %	Tax Amt	Sales Amt	Tax Base	Shipto State Tax Rate	Shipto City Tax Rate
1	14135 Cedar Ave. South, Ste 100	Apple Valley		MN	55124-4523	(\$24.85)	3	7125	(\$1.65)	(\$23.20)	(\$23.20)	6875	
2	2606 Chicago Ave.	Minneapolis		MN	55407-3706	(\$3.58)	8	8025	(\$0.27)	(\$3.31)	(\$3.31)	6875	50
3	66 GRUENE PARK DRIVE	NEW BRAUNFELS		TX	78130	\$0.00	0	0	\$0.00	\$0.00	\$0.00	6875	
4	66 GRUENE PARK DRIVE	NEW BRAUNFELS		TX	78130	\$0.00	0	0	\$0.00	\$0.00	\$0.00	6875	
5	12390 - 133rd Ave.	Milaca		MN	56353	\$0.00	6	7375	\$0.00	\$0.00	\$0.00	6875	
6	4570 County Highway 61	Moose Lake		MN	55767	(\$30.07)	19	7375	(\$2.07)	(\$28.00)	(\$28.00)	6875	
7	66 GRUENE PARK DRIVE	NEW BRAUNFELS		TX	78130	(\$101.00)	0	0	\$0.00	(\$101.00)	\$0.00	6875	
8	12390 - 133rd Ave.	Milaca		MN	56353	(\$15.98)	6	7375	(\$1.10)	(\$14.88)	(\$14.88)	6875	
9	16126 JOHN MOOSE DRIVE NW	Cass Lake		MN	56633	(\$10.00)	0	0	\$0.00	\$0.00	\$0.00	6875	
10	PO Box 60	Cass Lake		MN	56633	(\$10.36)	0	0	\$0.00	\$0.00	\$0.00	6875	
11	500 Osborne Road, Suite 330	Fridley		MN	55432	(\$165.27)	5	7525	(\$11.57)	(\$153.70)	(\$153.70)	6875	
12	North St. Paul	North St. Paul		MN	55109	(\$42.72)	0	0	\$0.00	(\$42.72)	\$0.00	6875	
13	5700 Bottineau Blvd.	Crystal		MN	55429	(\$434.94)	5	7525	(\$30.44)	(\$404.50)	(\$404.50)	6875	
14	20520 Keokuk Ave, Ste 104	Lakeville		MN	55044-6085	(\$40.49)	3	7125	(\$2.69)	(\$37.80)	(\$37.80)	6875	
15		WAYZATA		MN	55391	(\$25.94)	5	7525	(\$1.82)	(\$24.12)	(\$24.12)	6875	
16		OAK HILLS		CA	92344	(\$253.00)	0	0	\$0.00	(\$178.00)	\$0.00	6875	
17	PO Box 9480	Minneapolis		MN	55440-1309	\$0.00	5	7525	\$0.00	\$0.00	\$0.00	6875	
18	5700 Bottineau Blvd.	Crystal		MN	55429	(\$75.00)	5	7525	\$0.00	(\$75.00)	\$0.00	6875	
19	12390 - 133rd Ave.	Milaca		MN	56353	(\$0.54)	6	7375	(\$0.04)	(\$0.50)	(\$0.50)	6875	
20	PO Box 60	Cass Lake		MN	56633	(\$420.95)	0	0	\$0.00	(\$420.95)	\$0.00	6875	
21	20520 Keokuk Ave, Ste 104	Lakeville		MN	55044-6085	(\$34.30)	3	7125	(\$2.28)	(\$32.02)	(\$32.02)	6875	
22	AP	Greenville		NC	27835-7007	(\$417.60)	0	0	\$0.00	(\$417.60)	\$0.00	6875	
23	7235 Ohms Ln	Edina		MN	55439	(\$3,430.05)	5	7525	(\$240.05)	(\$3,190.00)	(\$3,190.00)	6875	

Note the

Transaction Date **Transaction ID**

Can be used to tie out the transaction back to the Esalestax online platform this is the internal id used for the transaction in both MDS and the Avalara Platform.