



Avalara AvaTax for Microsoft Dynamics NAV 2015 RTM

Technical Document for Avalara AvaTax

Version 01

Revision date: 12/4/18

Product release: Microsoft NAV 8.0.37874.12.00v2

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.

© 2017 Avalara, Inc. All rights reserved.

Avalara, AvaTax, AvaTax Calc, AvaTax Returns, AvaTax Certs, AvaTax Local, AvaLocal, AvaTax POS, AvaPOS, AvaRates, TrustFile, BPObridge, Laserbridge+, Sales TaxII, Sales TaxPC, SalestaxPC+, StatetaxII, and StatetaxPC 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..

Table of Contents

- AvaTax Integration Points** 3
 - Integrations on Masters (Pages)..... 3
 - Integrations on Transactions (Sales Module - Pages) 3
 - Integrations on Transactions (Service Module - Pages) 4
 - Integrations on Transactions (Purchase Module - Pages) 4
- AvaTax Integration codeunit**..... 5
 - Address Validation: Approach A 5
 - Address Validation: Approach B 6
 - Calculate Tax for Transaction: Sales 8
 - See AvaTax Statistics Page on Transaction: Sales..... 8
 - Calculate Tax for Transaction: Service..... 9
 - Update Transaction Lines with Tax: Service 9
 - See AvaTax Statistics Page on Transaction: Service 9

AvaTax Integration Points

Avalara AvaTax has been implemented in the following area which helps you to understand the customized area for AvaTax integrations.

Integrations on Masters (Pages)

Page ID	Page Name	Address Validation	Latitude / Longitude	Use Tax Assessment
1	Company Information	Yes		
21	Customer Card	Yes	Yes	
22	Customer List	Yes	Yes	
26	Vendor Card	Yes		Yes
27	Vendor List	Yes		Yes
300	Ship-to Address	Yes	Yes	
5050	Contact Card	Yes		
5703	Location Card	Yes		
5714	Responsibility Center Card	Yes		

Integrations on Transactions (Sales Module - Pages)

Page ID	Page Name	Address validation	Latitude / Longitude	Entity / Use Code Mapping	Tax Override Date / Amount	Statistics	Release	Report / Print / Test Report
41	Sales Quote	Yes	Yes	Yes	Yes	Yes		Yes
42	Sales Order	Yes	Yes	Yes	Yes	Yes	Yes	Yes
43	Sales Invoice	Yes	Yes	Yes	Yes	Yes	Yes	Yes
44	Sales Credit Memo	Yes	Yes	Yes	Yes	Yes	Yes	Yes
46	Sales Order Subform				Yes			
47	Sales Invoice Subform				Yes			
95	Sales Quote Subform				Yes			
96	Sales Cr. Memo Subform				Yes			
132	Posted Sales Invoice				Yes			
134	Posted Sales Credit Memo				Yes			
143	Posted Sales Invoices				Yes			
144	Posted Sales Credit Memos				Yes			
507	Blanket Sales Order	Yes	Yes	Yes	Yes	Yes	Yes	Yes
6630	Sales Return Order	Yes	Yes	Yes	Yes	Yes	Yes	Yes
6631	Sales Return Order Subform				Yes			
9300	Sales Quotes	Yes	Yes	Yes	Yes	Yes		Yes
9301	Sales Invoice List	Yes	Yes	Yes		Yes	Yes	Yes
9302	Sales Credit Memos	Yes	Yes	Yes	Yes	Yes		Yes
9303	Blanket Sales Orders	Yes	Yes	Yes		Yes	Yes	Yes
9304	Sales Return Order List	Yes	Yes	Yes		Yes	Yes	Yes
9305	Sales Order List	Yes	Yes	Yes		Yes	Yes	Yes
10026	Sales Order Shipment					Yes		Yes
10028	Sales Order Invoice					Yes		Yes

Integrations on Transactions (Service Module - Pages)

Page ID	Page Name	Address validation	Latitude / Longitude	Entity / Use Code Mapping	Tax Override Date / Amount	Statistics	Release	Report / Print / Test Report
5900	Service Order	Yes	Yes	Yes	Yes	Yes		Yes
5905	Service Lines	Yes	Yes	Yes	Yes	Yes		Yes
5933	Service Invoice	Yes	Yes	Yes	Yes	Yes		Yes
5902	Service Invoice Subform			Yes	Yes			
5935	Service Credit Memo	Yes	Yes	Yes	Yes	Yes		Yes
5936	Service Cr. Memo Subform			Yes	Yes			
5964	Service Quote	Yes	Yes	Yes	Yes	Yes		Yes
5966	Service Quote Lines	Yes	Yes	Yes	Yes	Yes		Yes
6050	Service Contract	Yes	Yes	Yes	Yes	Yes		Yes
6053	Service Contract Quote	Yes	Yes	Yes	Yes	Yes		Yes
9317	Service Quotes	Yes	Yes	Yes		Yes		Yes
9318	Service Orders	Yes	Yes	Yes		Yes		Yes
9319	Service Invoices	Yes	Yes	Yes		Yes		Yes
9320	Service Credit Memos	Yes	Yes	Yes		Yes		Yes
9320	Service Contracts	Yes						

Integrations on Transactions (Purchase Module - Pages)

Page ID	Page Name	Address validation	Latitude / Longitude	Entity / Use Code Mapping	Tax Override Date / Amount	Statistics	Release	Report / Print / Test Report
50	Purchase Order					Yes		
51	Purchase Invoice					Yes		
9307	Purchase Order List					Yes		
9308	Purchase Invoices					Yes		

AvaTax Integration codeunit

Address Validation: Approach A

If you want to use Avalara Address validation in custom pages under Actions, add below code to action code.

This is available only for following:

- Customer
- Vendor
- Location

Go to any custom page / codeunit

Code:

```
Codeunit .run(14073355, Customer);
```

Note: Same like Customer we have codeunits for Vendor / Location.

Type	ID	Name
Codeunit	14073355	AVA3rd AddressValid_Customer
Codeunit	14073356	AVA3rd AddressValid_Vendor
Codeunit	14073357	AVA3rd AddressValid_Location

Add code:

```
CuAVAAddressValidation.AvaMasterAddrValidateClass(Rec);
```

Calculate Tax for Transaction: Sales

If you want to calculate tax through custom action or function call, now you can use Avalara exposed codeunit directly.

Just use below code unit and pass respective Sales Header, and Tax will be calculated and updated to same Sales Header and respective Sales Line tables:

Code snippet:

Code:

```
CODEUNIT.RUN(14073350,SalesHeader);
```

Update Transaction Lines with Tax: Sales

If you want to retrieve Sales Line wise “Amount Incl. VAT” through any custom action or function call, now you can use Avalara exposed codeunit directly. This will update Tax to “Amount Incl. VAT” field.

Just use below code unit and pass respective Sales Line, and Amount with Tax will be populated from Avalara Table:

Code snippet:

Code:

```
CODEUNIT.RUN(14073351,SalesLine);
```

See AvaTax Statistics Page on Transaction: Sales

If you want to calculate & see tax through custom action or function call, now you can use Avalara exposed codeunit directly.

Just use below code unit and pass respective Sales Header, and Tax will be calculated and updated to same Sales Header and respective Sales Line tables:

Code snippet:

Code:

```
CODEUNIT.RUN(14073358,SalesHeader);
```


Calculate Tax for Transaction: Service

If you want to calculate tax through custom action or function call, now you can use Avalara exposed codeunit directly.

Just use below code unit and pass respective Service Header, and Tax will be calculated and updated to same Service Header and respective Service Line tables:

Code snippet:

Code:

```
CODEUNIT.RUN(14073352,ServiceHeader);
```

Update Transaction Lines with Tax: Service

If you want to retrieve Service Line wise “Amount Incl. VAT” through any custom action or function call, now you can use Avalara exposed codeunit directly. This will update Tax to “Amount Incl. VAT” field.

Just use below code unit and pass respective Service Line, and Amount with Tax will be populated from Avalara Table:

Code snippet:

Code:

```
CODEUNIT.RUN(14073353,ServiceLine);
```

See AvaTax Statistics Page on Transaction: Service

If you want to calculate & see tax through custom action or function call, now you can use Avalara exposed codeunit directly.

Just use below code unit and pass respective Sales Header, and Tax will be calculated and updated to same Sales Header and respective Sales Line tables:

Code snippet:

Code:

```
CODEUNIT.RUN(14073359,SalesHeader);
```