



# Avalara AvaTax for Sage 500 2018

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## System Integration Document for Avalara AvaTax

Version 01

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## AvaTax Integration Points

You can implement the Avalara AvaTax in the following areas, which helps you to understand the customized area for AvaTax integrations.

### Integrations on Masters (Pages)

The following are the Avalara AvaTax implementations on the master pages:

Page ID	Page Name	Address Validation	Latitude / Longitude	Use Tax Assessment
1	Company Information	No		
21	Customer Card	Yes	Yes	
26	Vendor Card	No		No
300	Ship-to Address	Yes	Yes	

### Integrations on Transactions (Sales/ Account Receivables Module - Pages)

The following are the Avalara AvaTax implementations on the transactions pages:

Page ID	Page Name	Address Validation	Latitude / Longitude	Entity/ Use Code Mapping	Tax Calculation Date
41	Sales Quote	Yes	Yes	Yes	
42	Sales Order	Yes	Yes	Yes	
43	Sales Invoice	Yes	Yes	Yes	
44	Sales Credit Memo	Yes	Yes	Yes	No
507	Blanket Sales Order	Yes	Yes	Yes	
6630	Sales Return Order	Yes	Yes	Yes	No
9300	Sales Quotes	Yes	Yes	Yes	
9301	Sales Invoice List	Yes	Yes	Yes	
9302	Sales Credit Memos	Yes	Yes	Yes	No

## AvaTax Integration Code Unit

### Address Validation: Approach A

You can use below method to use Avalara Address Validation on any screens.

#### Declare and initialize below objects:

```
Public moAvaTax As Object ' Avalara object of "AVZDADL1.clsAVAvaTaxClass"
Set moAvaTax = CreateObject ("AVZDADL1.clsAVAvaTaxClass")
moAvaTax.Init moClass, moClass.moSysSession, moClass.moAppDB, moClass.moAppDB,
moClass.moFramework
```

- Customer

### Calculate Tax for Transaction: Sales

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

You can use the code unit and pass the Sales Header, and the Tax gets calculated. The same has been updated to the Sales Header and Sales Line tables.

If you want to calculate tax, then use the below method:

```
moAvaTax.bCalculateTax(lDocKey, kModuleSO) (moAvaTax variable is declared in common section)
```

### Requirements

The following are the Avalara AvaTax implementations on the transactions pages:

Method	Call	Parameter	Return
ValidateAddress	moAvaTax.ValidateAddress Me	Me = Form Object (E.g CustomerCard)	Nothing
MergeInvoice	moAvaTax.MergeInvoice(Key)	Key As Long	Nothing
bCalculateTax	moAvaTax.bCalculateTax(moDmHeader.GetColumnValue("InvcKey"), kModuleAR, Me, moDmHeader)	ITransKey As Variant, iSourceModule As Integer, Optional frmtargetForm As Object, Optional moDmForm As clsDmForm	Boolean
CancelTax	moAvaTax.CancelTax(iModuleID, sTranID, ITranType, IBatchKey)	Optional iModuleID As Integer = 0, Optional sTranID As String, Optional ITranType As Long = 0, Optional IBatchKey As Long = 0	Nothing
RecalculateTaxes	moAvaTax.RecalculateTaxes(lBatchKey, sBatchNo)	lBatchKey As Long, sBatchNo As String	Nothing
bCalculateTaxForShipment	moAvaTax.bCalculateTaxForShipment(ITransKey, iSourceModule)	ITransKey As Variant, iSourceModule As Integer	Boolean
bCalculateTaxSORM	moAvaTax.bCalculateTaxSORM(ITransKey, iSourceModule)	ITransKey As Long, iSourceModule As Integer, Optional frmtargetForm As Object, Optional moDmForm As clsDmForm	Boolean
bCalculateTaxSORT	moAvaTax.bCalculateTaxSORT(ITransKey, iSourceModule)	ITransKey As Long, iSourceModule As Integer, Optional frmtargetForm As Object, Optional moDmForm As clsDmForm	Boolean
GetTaxHistory	moAvaTax.GetTaxHistory(lInvcKey)	lInvcKey As Long	Nothing

Method	Call	Parameter	Return
PostTax	moAvaTax.PostTax(lBatchKey)	lBatchKey As Long	Nothing
ReconcileData	moAvaTax.ReconcileData(startDate, endDate, frmtargetForm)	startDate As Date, endDate As Date, frmtargetForm As Object	Boolean