



# Vertex Tax Engine Setup and User Guide

Release 2024.x

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# Contents

|                                                              |           |
|--------------------------------------------------------------|-----------|
| <b>About this guide.....</b>                                 | <b>5</b>  |
| Contacting Infor.....                                        | 5         |
| <b>Chapter 1: Overview.....</b>                              | <b>6</b>  |
| Special features of Vertex.....                              | 6         |
| Tax area IDs.....                                            | 6         |
| OS Portal overview.....                                      | 7         |
| Accessing FSM in Infor OS Portal.....                        | 7         |
| <b>Chapter 2: Setting up tax entity for Vertex O.....</b>    | <b>8</b>  |
| Vertex O series webservice interface.....                    | 8         |
| Creating Vertex tax entity.....                              | 8         |
| Linking to the Vertex webservice v9.....                     | 9         |
| Adding sign in information.....                              | 11        |
| Assigning tax area IDs.....                                  | 11        |
| Tax entities.....                                            | 12        |
| Updating tax area ID and addresses.....                      | 12        |
| Looking up tax area IDs for an address.....                  | 14        |
| <b>Chapter 3: Programs that interact with Vertex.....</b>    | <b>16</b> |
| <b>Chapter 4: Setting up flexible fields.....</b>            | <b>18</b> |
| <b>Appendix A: Tax area request mapping.....</b>             | <b>19</b> |
| <b>Appendix B: Quotation request mapping.....</b>            | <b>21</b> |
| <b>Appendix C: Invoice request mapping.....</b>              | <b>39</b> |
| <b>Appendix D: Invoice verification request mapping.....</b> | <b>57</b> |
| <b>Appendix E: Purchase order request mapping.....</b>       | <b>72</b> |
| <b>Appendix F: Accrual request mapping.....</b>              | <b>89</b> |

|                                                 |            |
|-------------------------------------------------|------------|
| <b>Appendix G: Project invoice mapping.....</b> | <b>107</b> |
|-------------------------------------------------|------------|

## About this guide

This guide provides conceptual information about using Vertex Tax Engine with Financials & Supply Management.

Use this guide as a reference at your site. This guide does not teach you about Tax practices. This guide shows you how to use the Vertex Tax application to complete specific set up and user tasks.

### **Intended audience**

This guide is for the Tax users who are responsible for managing sales tax rates.

### **Prerequisite knowledge**

To fully understand the information presented in this guide, you should be familiar with tax laws and practices. You must also be familiar with Financials.

## Contacting Infor

If you have questions about Infor products, go to Infor Concierge at [https://mingle-portal.us2.prd3.inforcloudsuite.com/v2/CONCIERGE\\_PRD](https://mingle-portal.us2.prd3.inforcloudsuite.com/v2/CONCIERGE_PRD) and create a support incident.

For the latest documentation, go to Documentation Central at [docs.infor.com](https://docs.infor.com). We recommend that you check this website periodically for updated documentation. If you have comments about Infor documentation, contact [documentation@infor.com](mailto:documentation@infor.com).

## Chapter 1: Overview

Vertex is an independent software company that creates third-party tax systems. These systems can be used in conjunction with other financial software such as Financials & Supply Management.

### **Vertex O series documentation**

For more information about Vertex O Series features, see the Vertex O Series 7.0 documentation at <http://www.vertexinc.com>.

## Special features of Vertex

The key feature of Vertex technology is its tax rate directory. This directory contains sales tax rate information for over 66,000 locations in the United States and Canada. Included is tax information for every state, county, and city with a population over 250, including tax rates and effective dates. The directory is updated monthly with new tax rate information, so it is always current.

In addition to its tax rate directory, Vertex offers extensive functionality and the ability to deal with a variety of special tax situations:

- Dual rates, where cities have more than one tax rate
- Tax authority overrides, where a city tax overrides a county tax
- Intrastate transactions, where the district-level taxes must be calculated at the ship-to location
- Maximum taxes, where cities and counties have a limit on the amount of tax that you are required to pay

## Tax area IDs

Vertex uses tax area IDs, or geographic codes, as its basic tax authority identifier. Tax area IDs identify these specific tax jurisdictions across the globe.

After a Tax area ID is assigned to a jurisdiction, the tax rates for that jurisdiction can be retrieved from the Vertex tax rate directory.

### Tax area ID structure

Tax area IDs are numeric codes that identify tax jurisdictions by country, district, state, county, and city.

Vertex O Series uses a 9-digit code.

The Quantum series is not supported in this release. If you are moving from the Vertex Quantum to O Series, Vertex O Series uses a 9-digit code using the same st

## OS Portal overview

Infor OS Portal is an application framework that provides a common user interface for integrated Infor ERP applications, such as Financials & Supply Management.

You must always access Infor OS Portal by using the Infor OS Portal URL that is provided to your Infor OS Portal administrator. This list shows the compatible browsers:

- New Microsoft Edge (Chromium)
- Safari
- Chrome

See the *Infor OS Portal User Guide*.

For the configuration options, see the *Infor OS Portal Administration Guide*.

## Accessing FSM in Infor OS Portal

- 1 In Infor OS Portal, select the **Navigation Menu** icon.
- 2 In the Applications section, select **Financials & Supply Management**. If this option is not available, click **See More** to view all applications.

## Chapter 2: Setting up tax entity for Vertex O

If you are using the Vertex third-party tax system, you must perform several setup procedures before Vertex and Financials can be interfaced. Setup procedures include setting up tax entity for Vertex O and linking to the Vertex webservice.

See [Programs that interact with Vertex](#) on page 16.

### Vertex O series webservice interface

The Vertex O series web service is delivered and installed separately from solutions.

### Creating Vertex tax entity

- 1** Select **Tax Entities**.
- 2** Click **Create**.
- 3** Specify a **Tax Entity** and **Description**.
- 4** Specify this information:
  - Tax System**  
Select **Vertex O Series**.
  - Use Tax Code Account**  
We recommend that you clear this check box so that all tax information is used at the Tax Entity level.
- 5** For information about completing the other fields, see the *Financials Setup and Administration Guide*.
- 6** Click **Save**.
- 7** On the **Vertex Options** tab, specify this information:
  - Send Address Or Tax Area ID**  
Select a value:
    - Select **Both** to send both address and tax area ID. This is the standard functionality.
    - Select **Address Only** to send the address. This option is similar to specifying **00** in the **Tax Code** field so that only the address is used. This value is ignored.

- Select **Tax Area ID Only** to send the tax code and tax area ID. Address is ignored. If this value is selected, you cannot specify **00** in the **Tax Code** field.

**8** Click **Save**.

## Linking to the Vertex webservice v9

Use this procedure to set up configuration parameters when you are using Vertex.

**1** Set up files in this order:

- VertexConfigVersion contains the Vertex versions and login information  
Do not validate the connection until User Templates and Configuration Parameters records are created.
- VertexConfig contains the FinanceEnterpriseGroup level access for Vertex
- ConfigurationParameters contains the link used for Vertex
- UserTemplates contains the webservice container used to pass the xml to vertex

**2** Verify that 9 is the first value on VertexConfigVersion. The **User Template** tab is available.

**3** Set up Tax Configuration record.

- a Select the **Finance Enterprise Group**.
- b Select **Vertex**.

**4** Verify that these user templates are available:

- VertexCalculateTax90.xml is used for Calculate Tax
- VertexLookupTaxAreas90.xml is used for Lookup Tax Areas

**5** Verify this information:

- Template name is the vertex template name that is used in the application
- Business class is a business class anchor for the user template
- Description is what the User Template is used for
- File name is the actual file name that contains the xml that is passed to vertex
- MIME type is the type used for this User Template

**6** To verify that user template contains values, click the user template and select **Open**. This code block is displayed:

```
<?xmlversion="1.0"?>
<soapenv:Envelope xmlns:urn="urn:vertexinc:o-series:tps:9:0"
xmlns:soapenv="https://schemas.xmlsoap.org/soap/envelope/">
  <soapenv:Header/>
  - <soapenv:Body>
    <urn:VertexEnvelope>@NotNullTag@</urn:VertexEnvelope>
  </soapenv:Body>
</soapenv:Envelope>
```

**7** To calculate tax, use the default parameters on the user template:

**Template Name**

VertexCalculateTax90.

**Business Class**

CalculateTaxInterface.

**Description**

Provide a description for the template..

**Template**

VertexCalculateTax90.xml.

**File Name**

VertexCalculateTax90.xml.

**MIME Type**

Application/xml.

- 8 To Look up tax areas, use the default parameters on the user template:

**Template Name**

VertexLookupTaxAreasTax90.

**Business Class**

CalculateTaxInterface.

**Description**

Description for the template.

**Template**

VertexLookupTaxAreasTax90.xml.

**File Name**

VertexLookupTaxAreasTax90.xml.

**MIME Type**

Application/xml.

- 9 After you add the VertexConfigVersion and attach it to the VertexConfig, go to Tax Configuration.
- 10 Add a Tax Configuration record using the same value that you used for the VertexConfig.
- 11 Select Vertex. If you selected the correct version, a **Configuration Parameters** tab and **User Templates** tab is available. Specify this information:

**Configuration ID**

Specify config.

**Key**

Specify VERTEXCALCULATETAX90.WSI.ENDPOINT

**Value**

Specify the Vertex wsdl link.

**Configuration ID**Specify **Config**.**Key**Specify **VERTEXLOOKUPTAXAREAS90.WSI.ENDPOINT****Value**

Specify the Vertex wsdl link.

- 12** When all of the steps are complete, validate the connection from the VertexConfigVersion.  
See [Adding sign in information](#) on page 11.

## Adding sign in information

After you have set up your configuration parameters, you must establish and add the sign in information:

- 1** Add the **VertexConfigVersion**. Use a Trusted ID that is assigned by your Vertex administrator.
- 2** Test your connection by executing these steps:
  - a Use **ValidateLookupTaxAreaConnection** and the **ValidateCalculateTaxConnection** instance actions. If they are successful, then a successful connection message is displayed by the release notes.
  - b A version is required. The release and server name can be anything or it can be blank. Version becomes more useful when upgrading.

After a successful connection is established, you are ready for processing.

## Assigning tax area IDs

Use this procedure to assign tax area IDs to customers, vendors, billing process levels, inventory location, and projects.

Tax area IDs are automatically assigned to new tax locations when you add a new record on either **Tax Area IDs** or **Ship To**. After you define and add the required information for a new record, the record is updated and a tax area ID is assigned.

- 1** Select **Financials > Receivables > Manage Customers > Customers**.
- 2** Click **Create**.
- 3** Specify the required information for a new record.
- 4** Click **Save**.
- 5** The record is added and a tax area ID is assigned and displayed here:
  - On **Customer**, the tax area ID is displayed in the **Tax Code** field on the **Processing** tab.
  - On **Customer Ship To**, the tax area ID is displayed in the **Tax Code** field on the **Billing** tab.

## Tax entities

If your tax entity is defined as Vertex, then you must assign a tax entity to each customer or tax location that you are using. The tax entities that you assign are used to calculate the taxes for that tax location.

On **Tax Entities**, use **Update System Tax Codes With Vertex** to generate a report of Tax Area ID codes and addresses and update Tax Area IDs for the records:

- Receivables customers
- Billing ship-to locations and process levels
- Project Invoicing and Revenue service locations
- Inventory Control locations
- Payables vendors and vendor locations
- Payables Process Level
- Requesting Locations
- Project Tax Locations

You can run **Update System Tax Codes With Vertex** in report or update mode. If you run it in report mode, then a **Vertex Lookup Results** report is generated listing addresses and related tax area IDs for the specified records. If you run it in update mode, then a report is generated listing addresses and related tax area IDs for the specified records. The appropriate records are updated with the retrieved tax area IDs.

## Updating tax area ID and addresses

Use this procedure to assign tax area IDs to existing tax locations and update tax locations. Tax codes in Financials are the same as tax area IDs in Vertex.

- 1 Select **Financials > Payables > Tax Setup > Tax Entities**.  
Or select **Financials > Receivables > Tax Setup > Tax Entities**.
- 2 Highlight the **Tax Entity** record and select **Actions > Update System Tax Codes With Vertex**. The tax entity record must be for Vertex.
- 3 Specify this information:

**Process Group**

Optionally, select a process group. This field is used for searching.

**Finance Enterprise Group**

Select the finance enterprise group.

**Tax Entity**

Select a tax entity. This field is required if you use the tax entity code default.

**Entity Tax Code Default**

You can select this field if **Use Tax Code Accounts** field on the tax entity record is selected.

**Read Only**

Select this field to run a report. If you select this field, the database is not updated.

**4** For Payables, specify this information:

**Vendor Group**

Select a vendor group.

**Vendor Range**

Select a range of vendor numbers.

**Date Range**

Select a range of dates. This is the create date on the vendor.

**Vendor Location Range**

Select a vendor location range.

**Payables Company**

Select a payables company.

**Update Payables Process Level**

Select this check box to update the tax code for the process level address.

**5** For Receivables, specify this information:

**Receivables Company**

Select a receivables company.

**Customer Group**

Select a customer group.

**Customer Range**

Select a range of customer numbers.

**Customer Ship To Range**

Select a ship to range.

**Billing Company**

Select a billing company.

**Billing Process Level Range**

Select a billing process level range.

**6** For Inventory location, specify this information:

**Inventory Company**

Select an inventory company. This field is required for inventory locations.

**Inventory Location Range**

Select a range of inventory locations.

**Update Requesting Locations**

Select this check box to update requesting locations with the Vertex tax area ID.

**Item Location Type**

Select an item location type.

- 7 For Projects, specify this information:  
**Update Project Tax Locations**  
Select this check box to update project tax locations.
- 8 Click **OK** to run the process or click **Schedule** to schedule the process to run later.
- 9 To view results, use the **Vertex Lookup Results** tab on the **Tax Setup** page.

## Looking up tax area IDs for an address

Use this procedure to find a tax area ID for a specified address. This is not the address of the tax entity. Alternatively, you can use Vertex Central to lookup a tax area ID for an address.

By specifying address parameters, you can search for and find the tax area ID for any tax location. For example, state/Canada, county/province, city, or ZIP/postal code,

- 1 Select **Financials > Payables or Receivables > Setup > Tax Setup > Tax Entities**.
- 2 Click **Create**.
- 3 Specify the tax entity number and description.
- 4 Select the **Tax Area ID Lookup** tab. This tab is available if you have selected **vertex** in the **Third Party** field. Specify the address parameters for your TaxEntity ID search.
- 5 Specify this information:

### **Country**

Select a country. The country must have valid ISO values.

### **State or Canada**

Specify the two-letter abbreviation for the state for which you are searching or specify **cn** for Canada.

### **County or Province**

Specify the name of the county or province.

### **Postal Code**

Specify the postal code.

- 6 To view tax area ID for existing customers, select the form that contains the address for that location.

### **Accounts Receivable Customer**

Specify a Receivables customer.

You can specify one of these: Receivables customer, Payables vendor, or Inventory Control location.

### **Billing Ship To**

Specify a ship-to code for the customer.

You can specify either a Billing ship-to code or a Project Invoicing and Revenue service location, but not both.

### **Vendor Location**

Select a vendor location.

**Inventory Control Location**

Select an inventory location.

**Billing Process Level**

Select a process level.

- 7** Click **Save**. One of these actions occurs:
- The Tax Area ID for the parameters that you specified is displayed in the Tax Area ID field.
  - Multiple Tax Area IDs are displayed on the **Mult Tax Area ID** tab.
  - An error message is displayed.

## Chapter 3: Programs that interact with Vertex

If you are using the Vertex third-party tax system, you must understand how the tax system interacts with Infor. This table shows the Infor processes that interface with Vertex.

| <b>Solution</b> | <b>Process</b>                                                                                                                                                                                                                       |
|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Payables        | Payables Invoice, Employee Management, Cash Receipt Deposit, AP Payment Close, Cash Ledger Transaction, Void Stop Pay Update, Cash Ledger GL Distribution, Process Flow Queue, AP Invoice Reinstatement, AP Recurring Invoice Update |
| Receivables     | Non AR Cash Payments, Invoice Batch, Transfer To Non-AR, Return To Maker, Application Close, Load Interface Invoices                                                                                                                 |
| Billing         | Invoice, Manual Invoice Header, Invoice Release action, Invoice and Register Print, Billing Interface                                                                                                                                |
| Order Entry     | Customer Order, Customer Order-Tax Inquiry, Order Entry-Acknowledgment Print Report                                                                                                                                                  |
| Purchasing      | Purchase Order Entry, Vendor Agreements, Vendor Return, Purchase Order Interface from Other Applications, Create Standing PO Release, Purchase Order Receiving, Purchase Order Import                                                |
| Requisitions    | Requisition, Requisition Interface                                                                                                                                                                                                   |
| Project Ledger  | Generate Invoices action, Journalize Invoices action, Project Invoice, Project Line                                                                                                                                                  |

This table shows the Vertex mapping summary.

| <b>Vertex</b>         |                |                | <b>Infor</b>   |                                    |                    |
|-----------------------|----------------|----------------|----------------|------------------------------------|--------------------|
| <b>Business Event</b> | <b>Request</b> | <b>Call To</b> | <b>Mapping</b> | <b>Used In</b>                     | <b>Webservice</b>  |
| Tax Area Lookup       | TaxAreaRequest | LookupTaxAreas | Appendix B     | Used to lookup TaxArea for TaxCode | LookupTaxAreas.wsi |

| Vertex         |                     |              | Infor      |             |                         |
|----------------|---------------------|--------------|------------|-------------|-------------------------|
| Business Event | Request             | Call To      | Mapping    | Used In     | Webservice              |
| Supplies       | Quotation           | CalculateTax | Appendix C | Receivables | Quotation.wsi           |
|                | Invoice             | CalculateTax | Appendix D | Receivables | Invoice.wsi             |
| Procurement    | InvoiceVerification | CalculateTax | Appendix E | Payables    | InvoiceVerification.wsi |
|                | PurchaseOrder       | CalculateTax | Appendix F | Payables    | Purchase-Order.wsi      |
|                | Accrual             | CalculateTax | Appendix G |             | Accrual.wsi             |

## Chapter 4: Setting up flexible fields

- 1** If you have not set up your tax entity, select **Vertex** in the **Tax System** field on the **Main** tab.
- 2** Create the tax attribute code:
  - a Sign in as Payables Administrator.
  - b Select **Tax Setup > Tax Entities**.
  - c Click **Tax Entities**.
  - d On the **Vertex Options** tab select the **Tax Attribute Code**.
- 3** Create the dynamic fields:
  - a On the tax attribute page, click the **Dynamic Fields** tab.
  - b Click **Create**.
  - c Specify the **Dynamic Field**.
- 4** Create the flexible fields that are associated with the dynamic fields:
  - a Click the **Vertex Flexible Fields** tab.
  - b Click **Actions>Create Vertex Flexible Fields**. A unique ID header is attached to the tax attribute code.
- 5** To associate the new dynamic field to a flexible field, click **Create**.
- 6** Add a Field ID using a **Dynamic Field** value.
  - a Specify the **External Value** and **Dynamic Field**.
- 7** On the **Vertex Options** tab, select the new tax entity in the **Tax Attribute Code** field.

## Appendix A: Tax area request mapping

The tax area request messages are used to initiate a tax area look up. Tax area request messages are also used to retrieve the tax jurisdiction and tax area ID for a single postal address.

| Vertex                    |                       | Infor                                        |           |
|---------------------------|-----------------------|----------------------------------------------|-----------|
| Element/Attribute         | Data type             | Element value                                | Data type |
| UserName                  | String (1-64)         |                                              |           |
| Password                  | String (1-64)         |                                              |           |
| TrustedId                 | String (1-64)         | VertexConfigVersion.TrustedId                | Alpha 16  |
| AsOfDate                  | Date (yyyy-mm-dd)     | Current date                                 |           |
| LookupId                  | String (1-40)         |                                              |           |
| TaxAreaId*                | Integer (0-999999999) | TaxCode (1st 9 char)                         | Alpha 15  |
| PostalAddress*            |                       |                                              |           |
| StreetAddress1            | String (1-100)        | PostalAddressV2.DeliveryAddress.AddressLine1 | Alpha 40  |
| StreetAddress2            | String (1-100)        |                                              |           |
| City                      | String (1-60)         | PostalAddressV2.Municipality                 | Alpha 35  |
| MainDivision              | String (1-60)         | PostalAddressV2.StateProvince                | Alpha 35  |
| SubDivision               | String (1-60)         | PostalAddressV2.County                       | Alpha 30  |
| PostalCode                | String (1-20)         | PostalAddressV2.PostalCode                   | Alpha 12  |
| Country                   | String (1-60)         | PostalAddressV2.Country                      | Alpha 3   |
| ExternalJurisdiction*     |                       |                                              |           |
| ExternalJurisdiction-Code | String (0-20)         |                                              |           |

| Vertex                        |               | Infor         |           |
|-------------------------------|---------------|---------------|-----------|
| Element/Attribute             | Data type     | Element value | Data type |
| Country                       | String (1-60) |               |           |
| ApplicationData               |               |               |           |
| Sender                        | String        |               |           |
| MessageLogging                |               |               |           |
| returnLogEntries              | Boolean       |               |           |
| OverrideLoggingThresh-<br>old |               |               |           |
| thresholdScope                | String        |               |           |
| LogEntry                      |               |               |           |
| logLevel                      | LogLevel      |               |           |
| instanceId                    | String        |               |           |
| threadId                      | String        |               |           |
| className                     | String        |               |           |
| Message                       | String        |               |           |
| Exception                     | String        |               |           |
| ResponseTimeMS                | Decimal       |               |           |

## Appendix B: Quotation request mapping

Quotations are used in the Receivables solution. The quotation message is used to estimate taxes on a proposed sale, rental, or lease of goods or services by the seller. Quotation transactions are subject to change until an invoice is finalized. Consequently, quotation transactions are not written to the tax journal.

| Vertex                            |                   | Infor                         |           |
|-----------------------------------|-------------------|-------------------------------|-----------|
| Element/Attribute                 | Data type         | Element value                 | Data type |
| Login                             |                   |                               |           |
| UserName                          | String (1-64)     |                               |           |
| Password                          | String (1-64)     |                               |           |
| TrustedId                         | String (6-16)     | VertexConfigVersion.TrustedId | Alpha 16  |
| QuotationRequest                  |                   |                               |           |
| documentNumber                    | String (1-50)     | InvoiceNumber                 | Alpha 22  |
| documentType                      | String (1-20)     |                               |           |
| billingType                       | String (1-20)     |                               |           |
| orderType                         | String (1-20)     |                               |           |
| postingDate                       | Date (yyyy-mm-dd) |                               |           |
| locationCode                      | String (1-20)     | Customer Location             | Num 4     |
| returnAssistedParametersIndicator | Boolean           |                               |           |
| returnGeneratedLineItemsIndicator | Boolean           |                               |           |
| deliveryTerm                      | DeliveryTermCode  | ShipTerm                      | Alpha 3   |
| documentDate                      | Date (yyyy-mm-dd) | InvoiceDate                   | Date      |
| transactionId                     | String (1-40)     |                               |           |
| transactionType                   | SaleTransaction   | Vertex SalesTransaction type  |           |

| Vertex                       |                          | Infor                         |           |
|------------------------------|--------------------------|-------------------------------|-----------|
| Element/Attribute            | Data type                | Element value                 | Data type |
| simplificationCode           | SimplificationCode       |                               |           |
| roundAtLineLevel             | Boolean                  |                               |           |
| paymentDate                  | Date (yyyy-mm-dd)        |                               |           |
| documentSequenceId           | String (0-60)            |                               |           |
| Currency                     |                          | Currency                      | Alpha 5   |
| isoCurrencyName              | String                   |                               |           |
| isoCurrencyCodeAlpha         | String (3)               | CompanyCurrency.ISOCode       | Alpha 3   |
| isoCurrencyCodeNum           | Positive Integer (1-999) | CompanyCurrency.ISOCodeNumber | Num 3     |
| OriginalCurrency             |                          |                               |           |
| isoCurrencyName              | String                   |                               |           |
| isoCurrencyCodeAlpha         | String (3)               |                               |           |
| isoCurrencyCodeNum           | Positive Integer (1-999) |                               |           |
| Seller                       |                          | Company                       |           |
| nexusIndicator               | Boolean                  |                               |           |
| nexusReasonCode              | String (1-4)             |                               |           |
| Company                      | String (0-40)            | TaxEntity (Accounting Entity) | Alpha 12  |
| Division                     | String (0-40)            |                               |           |
| Department                   | String (0-40)            |                               |           |
| Dispatcher                   |                          |                               |           |
| DispatcherCode               | String (0-40)            |                               |           |
| classCode                    | String (1-40)            |                               |           |
| TaxRegistration              |                          | From TaxEntity                |           |
| isoCountryCode               | String (2-3)             | TaxEntity.VAT-Country         | Alpha 3   |
| mainDivision                 | String (1-60)            |                               |           |
| hasPhysicalPresenceIndicator | Boolean                  |                               |           |
| impositionType               | String (0-60)            |                               |           |

| Vertex                   |                           | Infor                           |           |
|--------------------------|---------------------------|---------------------------------|-----------|
| Element/Attribute        | Data type                 | Element value                   | Data type |
| TaxRegistrationNumber    | String (0-40)             | TaxEntity.VATRegistrationNumber | Alpha 12  |
| NexusOverride            |                           |                                 |           |
| locationRole             | TaxingLocationCode        |                                 |           |
| country                  | Boolean                   |                                 |           |
| mainDivision             | Boolean                   |                                 |           |
| subDivision              | Boolean                   |                                 |           |
| city                     | Boolean                   |                                 |           |
| district                 | Boolean                   |                                 |           |
| PhysicalLocation         |                           |                                 |           |
| taxAreaId                | Integer (0-999999999)     |                                 |           |
| StreetAddress1           | String (1-100)            |                                 |           |
| StreetAddress2           | String (1-100)            |                                 |           |
| City                     | String (1-60)             |                                 |           |
| MainDivision             | String (1-60)             |                                 |           |
| SubDivision              | String (1-60)             |                                 |           |
| PostalCode               | String (1-20)             |                                 |           |
| Country                  | String (1-60)             |                                 |           |
| PhysicalOrigin           |                           | Company or Process LevelAddress |           |
| taxAreaId                | Integer (0-999999999)     | Process Level Tax-Code          |           |
| locationCustomsStatus    | LocationCustomsStatusCode |                                 |           |
| locationCode             | String (0-20)             |                                 |           |
| externalJurisdictionCode | String (0-20)             |                                 |           |
| StreetAddress1           | String (1-100)            | DeliveryAddress.AddressLine1    |           |
| StreetAddress2           | String (1-100)            |                                 |           |
| City                     | String (1-60)             | PostalAddress.Municipality      |           |

| Vertex                   |                           | Infor                                      |           |
|--------------------------|---------------------------|--------------------------------------------|-----------|
| Element/Attribute        | Data type                 | Element value                              | Data type |
| MainDivision             | String (1-60)             | PostalAd-<br>dress.StateProvince           |           |
| SubDivision              | String (1-60)             | PostalAd-<br>dress.County                  |           |
| PostalCode               | String (1-20)             | PostalAd-<br>dress.StateProvince           |           |
| Country                  | String (1-60)             | PostalAd-<br>dress.Country                 |           |
| CurrencyConversion       | Decimal                   | CompanyBaseCur-<br>rency                   |           |
| isoCurrencyName          | String                    | Company.Base-<br>CurrencyName              |           |
| isoCurrencyCodeAlpha     | String (3)                | Company.Base-<br>CurrencyCode.Al-<br>pha   |           |
| isoCurrencyCodeNum       | Positive Integer (1-999)  | Company.Base-<br>CurrencyCode.Nu-<br>meric |           |
| AdministrativeOrigin     |                           |                                            |           |
| taxAreaId                | Integer (0-999999999)     |                                            |           |
| locationCustomsStatus    | LocationCustomsStatusCode |                                            |           |
| locationCode             | String (0-20)             |                                            |           |
| externalJurisdictionCode | String (0-20)             |                                            |           |
| StreetAddress1           | String (1-100)            |                                            |           |
| StreetAddress2           | String (1-100)            |                                            |           |
| City                     | String (1-60)             |                                            |           |
| MainDivision             | String (1-60)             |                                            |           |
| SubDivision              | String (1-60)             |                                            |           |
| PostalCode               | String (1-20)             |                                            |           |
| Country                  | String (1-60)             |                                            |           |
| CurrencyConversion       | Decimal                   |                                            |           |
| isoCurrencyName          | String                    |                                            |           |
| isoCurrencyCodeAlpha     | String (3)                |                                            |           |

| Vertex                       |                          | Infor                          |           |
|------------------------------|--------------------------|--------------------------------|-----------|
| Element/Attribute            | Data type                | Element value                  | Data type |
| isoCurrencyCodeNum           | Positive Integer (1-999) |                                |           |
| TaxRegistration              |                          | Customer VAT Registration      |           |
| isoCountryCode               | String (2-3)             | Customer.CountryCode           | Alpha 3   |
| mainDivision                 | String (1-60)            |                                |           |
| hasPhysicalPresenceIndicator | Boolean                  |                                |           |
| impositionType               | String (0-60)            |                                |           |
| TaxRegistrationNumber        | String (0-40)            | Customer.VATRegistrationNumber | Alpha 12  |
| NexusOverride                |                          |                                |           |
| locationRole                 | TaxingLocationCode       |                                |           |
| country                      | Boolean                  |                                |           |
| mainDivision                 | Boolean                  |                                |           |
| subDivision                  | Boolean                  |                                |           |
| city                         | Boolean                  |                                |           |
| district                     | Boolean                  |                                |           |
| PhysicalLocation             |                          |                                |           |
| taxAreaId                    | Integer (0-999999999)    |                                |           |
| StreetAddress1               | String (1-100)           |                                |           |
| StreetAddress2               | String (1-100)           |                                |           |
| City                         | String (1-60)            |                                |           |
| MainDivision                 | String (1-60)            |                                |           |
| SubDivision                  | String (1-60)            |                                |           |
| PostalCode                   | String (1-20)            |                                |           |
| Country                      | String (1-60)            |                                |           |
| Customer                     |                          | Receivables Customer           |           |
| isTaxExempt                  | Boolean                  | Customer.Exempt flag           |           |
| exemptionReasonCode          | String (1-4)             |                                |           |

| Vertex                    |                           | Infor                                      |           |
|---------------------------|---------------------------|--------------------------------------------|-----------|
| Element/Attribute         | Data type                 | Element value                              | Data type |
| CustomerCode              |                           | Receivables Customer                       |           |
| classCode                 | String (1-40)             |                                            |           |
| isBusinessIndicator       | Boolean                   |                                            |           |
| Destination               |                           | Customer Ship To                           |           |
| taxAreaId                 | Integer (0-999999999)     | Customer Tax Code                          | Alpha 15  |
| locationCustomsStatus     | LocationCustomsStatusCode |                                            |           |
| locationCode              | String (0-20)             | Customer                                   |           |
| externalJurisdictionCode  | String (0-20)             |                                            |           |
| StreetAddress1            | String (1-100)            | PostalAddress.DeliveryAddress.AddressLine1 |           |
| StreetAddress2            | String (1-100)            |                                            |           |
| City                      | String (1-60)             | PostalAddress.Municipality                 |           |
| MainDivision              | String (1-60)             | PostalAddress.StateProvince                |           |
| SubDivision               | String (1-60)             | PostalAddress.County                       |           |
| PostalCode                | String (1-20)             | PostalAddress.PostalCode                   |           |
| Country                   | String (1-60)             | PostalAddress.Country                      |           |
| CurrencyConversion        | Decimal                   | TransactionCurrency                        |           |
| isoCurrencyName           | String                    |                                            |           |
| isoCurrencyCodeAlpha      | String (3)                | TransactionCurrency.ISOCode                |           |
| isoCurrencyCodeNum        | Positive Integer (1-999)  | TransactionCurrency.ISOCode-Number         |           |
| AdministrativeDestination |                           | POAAddress                                 |           |
| taxAreaId                 | Integer (0-999999999)     | POATaxCode                                 |           |

| Vertex                       |                           | Infor                                   |           |
|------------------------------|---------------------------|-----------------------------------------|-----------|
| Element/Attribute            | Data type                 | Element value                           | Data type |
| locationCustomsStatus        | LocationCustomsStatusCode |                                         |           |
| locationCode                 | String (0-20)             |                                         |           |
| externalJurisdictionCode     | String (0-20)             |                                         |           |
| StreetAddress1               | String (1-100)            | POAAddress.DeliveryAddress.AddressLine1 |           |
| StreetAddress2               | String (1-100)            |                                         |           |
| City                         | String (1-60)             | POAPostalAddress.Municipality           |           |
| MainDivision                 | String (1-60)             | POAPostalAddress.StateProvince          |           |
| SubDivision                  | String (1-60)             | POAPostalAddress.County                 |           |
| PostalCode                   | String (1-20)             | POAPostalAddress.PostalCode             |           |
| Country                      | String (1-60)             | POAPostalAddress.Country                |           |
| CurrencyConversion           | Decimal                   | POACurrency                             |           |
| isoCurrencyName              | String                    |                                         |           |
| isoCurrencyCodeAlpha         | String (3)                | POACurrency.ISOCode                     | Alpha 3   |
| isoCurrencyCodeNum           | Positive Integer (1-999)  | POACurrency.ISOCodeNumber               | Num 3     |
| ExemptionCertificate         | String                    |                                         |           |
| exemptionCertificateNumber   | String (1-30)             |                                         |           |
| TaxRegistration              |                           | Customer Tax Registration               |           |
| isoCountryCode               | String (2-3)              | TaxEntity.VAT-Country                   |           |
| mainDivision                 | String (1-60)             |                                         |           |
| hasPhysicalPresenceIndicator | Boolean                   |                                         |           |
| impositionType               | String (0-60)             |                                         |           |

| Vertex                   |                       | Infor                 |           |
|--------------------------|-----------------------|-----------------------|-----------|
| Element/Attribute        | Data type             | Element value         | Data type |
| TaxRegistrationNumber    | String (0-40)         | VATRegistrationNumber | Alpha 12  |
| NexusOverride            |                       |                       |           |
| locationRole             | TaxingLocationCode    |                       |           |
| country                  | Boolean               |                       |           |
| mainDivision             | Boolean               |                       |           |
| subDivision              | Boolean               |                       |           |
| city                     | Boolean               |                       |           |
| district                 | Boolean               |                       |           |
| PhysicalLocation         |                       |                       |           |
| taxAreaId                | Integer (0-999999999) |                       |           |
| StreetAddress1           | String (1-100)        |                       |           |
| StreetAddress2           | String (1-100)        |                       |           |
| City                     | String (1-60)         |                       |           |
| MainDivision             | String (1-60)         |                       |           |
| SubDivision              | String (1-60)         |                       |           |
| PostalCode               | String (1-20)         |                       |           |
| Country                  | String (1-60)         |                       |           |
| TaxOverride              |                       |                       |           |
| overrideType             | TaxOverrideCode       |                       |           |
| overrideReasonCode       | String (1-4)          |                       |           |
| ImpositionToProcess      |                       |                       |           |
| impositionType           | String (0-60)         |                       |           |
| JurisdictionOverride     |                       |                       |           |
| jurisdictionLevel        | JurisdictionLevelCode |                       |           |
| impositionType           | String (0-60)         |                       |           |
| DeductionOverride        |                       |                       |           |
| ExemptOverride           |                       |                       |           |
| overrideExemptReasonCode | String (1-4)          |                       |           |

| Vertex                       |                          | Infor                      |           |
|------------------------------|--------------------------|----------------------------|-----------|
| Element/Attribute            | Data type                | Element value              | Data type |
| NonTaxableOverride           |                          |                            |           |
| overrideNonTaxableReasonCode | String (1-4)             |                            |           |
| RateOverride                 | Decimal                  |                            |           |
| SitusOverride                |                          |                            |           |
| taxingLocation               | TaxingLocationCode       |                            |           |
| Discount                     |                          |                            |           |
| userDefinedDiscountCode      | String                   |                            |           |
| DiscountPercent*             | Decimal                  |                            |           |
| DiscountAmount*              | Decimal                  |                            |           |
| LineItem                     |                          |                            |           |
| lineItemNumber               | Integer                  | LineNumber (defaults to 1) | Num 6     |
| taxDate                      | Date (yyyy-mm-dd)        |                            |           |
| isMulticomponent             | Boolean                  |                            |           |
| locationCode                 | String (1-20)            |                            |           |
| deliveryTerm                 | DeliveryTermCode         | ShipTerm                   | Alpha 3   |
| postingDate                  | Date (yyyy-mm-dd)        |                            |           |
| costCenter                   | String (1-40)            |                            |           |
| departmentCode               | String (1-40)            |                            |           |
| generalLedgerAccount         | String (1-40)            |                            |           |
| materialCode                 | String (1-40)            |                            |           |
| projectNumber                | String (1-40)            |                            |           |
| usage                        | String (1-40)            | TaxUsageCode               | Alpha 10  |
| usageClass                   | String (1-40)            |                            |           |
| vendorSKU                    | String (1-40)            |                            |           |
| countryOfOriginISOCODE       | String (0-3)             |                            |           |
| modeOfTransport              | Positive Integer (1-99)  |                            |           |
| natureOfTransaction          | Positive Integer (1-999) |                            |           |
| intrastatCommodityCode       | String (0-unlimited)     |                            |           |

| Vertex                       |                           | Infor                  |           |
|------------------------------|---------------------------|------------------------|-----------|
| Element/Attribute            | Data type                 | Element value          | Data type |
| netMassKilograms             | Integer                   |                        |           |
| lineItemId                   | String (1-40)             | defaults to LineNumber | Num 6     |
| taxIncludedIndicator         | Boolean                   | TaxIncludedIndicator   | Boolean   |
| transactionType              | SaleTransaction           |                        |           |
| simplificationCode           | SimplificationCode        |                        |           |
| titleTransfer                | PointOfTitleTransferCode  |                        |           |
| chainTransactionPhase        | ChainTransactionPhaseCode |                        |           |
| exportProcedure              | String (1-20)             |                        |           |
| Seller                       |                           |                        |           |
| nexusIndicator               | Boolean                   |                        |           |
| nexusReasonCode              | String (1-4)              |                        |           |
| Company                      | String (0-40)             |                        |           |
| Division                     | String (0-40)             |                        |           |
| Department                   | String (0-40)             |                        |           |
| Dispatcher                   |                           |                        |           |
| DispatcherCode               | String (0-40)             |                        |           |
| classCode                    | String (1-40)             |                        |           |
| TaxRegistration              |                           |                        |           |
| isoCountryCode               | String (2-3)              |                        |           |
| mainDivision                 | String (1-60)             |                        |           |
| hasPhysicalPresenceIndicator | Boolean                   |                        |           |
| impositionType               | String (0-60)             |                        |           |
| TaxRegistrationNumber        | String (0-40)             |                        |           |
| NexusOverride                |                           |                        |           |
| locationRole                 | TaxingLocationCode        |                        |           |
| country                      | Boolean                   |                        |           |
| mainDivision                 | Boolean                   |                        |           |
| subDivision                  | Boolean                   |                        |           |

| Vertex                   |                           | Infor         |           |
|--------------------------|---------------------------|---------------|-----------|
| Element/Attribute        | Data type                 | Element value | Data type |
| city                     | Boolean                   |               |           |
| district                 | Boolean                   |               |           |
| PhysicalLocation         |                           |               |           |
| taxAreaId                | Integer (0-999999999)     |               |           |
| StreetAddress1           | String (1-100)            |               |           |
| StreetAddress2           | String (1-100)            |               |           |
| City                     | String (1-60)             |               |           |
| MainDivision             | String (1-60)             |               |           |
| SubDivision              | String (1-60)             |               |           |
| PostalCode               | String (1-20)             |               |           |
| Country                  | String (1-60)             |               |           |
| PhysicalOrigin           |                           |               |           |
| taxAreaId                | Integer (0-999999999)     |               |           |
| locationCustomsStatus    | LocationCustomsStatusCode |               |           |
| locationCode             | String (0-20)             |               |           |
| externalJurisdictionCode | String (0-20)             |               |           |
| StreetAddress1           | String (1-100)            |               |           |
| StreetAddress2           | String (1-100)            |               |           |
| City                     | String (1-60)             |               |           |
| MainDivision             | String (1-60)             |               |           |
| SubDivision              | String (1-60)             |               |           |
| PostalCode               | String (1-20)             |               |           |
| Country                  | String (1-60)             |               |           |
| CurrencyConversion       | Decimal                   |               |           |
| isoCurrencyName          | String                    |               |           |
| isoCurrencyCodeAlpha     | String (3)                |               |           |
| isoCurrencyCodeNum       | Positive Integer (1-999)  |               |           |
| AdministrativeOrigin     |                           |               |           |
| taxAreaId                | Integer (0-999999999)     |               |           |

| Vertex                       |                           | Infor         |           |
|------------------------------|---------------------------|---------------|-----------|
| Element/Attribute            | Data type                 | Element value | Data type |
| locationCustomsStatus        | LocationCustomsStatusCode |               |           |
| locationCode                 | String (0-20)             |               |           |
| externalJurisdictionCode     | String (0-20)             |               |           |
| StreetAddress1               | String (1-100)            |               |           |
| StreetAddress2               | String (1-100)            |               |           |
| City                         | String (1-60)             |               |           |
| MainDivision                 | String (1-60)             |               |           |
| SubDivision                  | String (1-60)             |               |           |
| PostalCode                   | String (1-20)             |               |           |
| Country                      | String (1-60)             |               |           |
| CurrencyConversion           | Decimal                   |               |           |
| isoCurrencyName              | String                    |               |           |
| isoCurrencyCodeAlpha         | String (3)                |               |           |
| isoCurrencyCodeNum           | Positive Integer (1-999)  |               |           |
| TaxRegistration              |                           |               |           |
| isoCountryCode               | String (2-3)              |               |           |
| mainDivision                 | String (1-60)             |               |           |
| hasPhysicalPresenceIndicator | Boolean                   |               |           |
| impositionType               | String (0-60)             |               |           |
| TaxRegistrationNumber        | String (0-40)             |               |           |
| NexusOverride                |                           |               |           |
| locationRole                 | TaxingLocationCode        |               |           |
| country                      | Boolean                   |               |           |
| mainDivision                 | Boolean                   |               |           |
| subDivision                  | Boolean                   |               |           |
| city                         | Boolean                   |               |           |
| district                     | Boolean                   |               |           |
| PhysicalLocation             |                           |               |           |
| taxAreaId                    | Integer (0-999999999)     |               |           |

| Vertex                   |                           | Infor         |           |
|--------------------------|---------------------------|---------------|-----------|
| Element/Attribute        | Data type                 | Element value | Data type |
| StreetAddress1           | String (1-100)            |               |           |
| StreetAddress2           | String (1-100)            |               |           |
| City                     | String (1-60)             |               |           |
| MainDivision             | String (1-60)             |               |           |
| SubDivision              | String (1-60)             |               |           |
| PostalCode               | String (1-20)             |               |           |
| Country                  | String (1-60)             |               |           |
| Customer                 |                           |               |           |
| isTaxExempt              | Boolean                   |               |           |
| exemptionReasonCode      | String (1-4)              |               |           |
| CustomerCode             |                           |               |           |
| classCode                | String (1-40)             |               |           |
| isBusinessIndicator      | Boolean                   |               |           |
| Destination              |                           |               |           |
| taxAreaId                | Integer (0-999999999)     |               |           |
| locationCustomsStatus    | LocationCustomsStatusCode |               |           |
| locationCode             | String (0-20)             |               |           |
| externalJurisdictionCode | String (0-20)             |               |           |
| StreetAddress1           | String (1-100)            |               |           |
| StreetAddress2           | String (1-100)            |               |           |
| City                     | String (1-60)             |               |           |
| MainDivision             | String (1-60)             |               |           |
| SubDivision              | String (1-60)             |               |           |
| PostalCode               | String (1-20)             |               |           |
| Country                  | String (1-60)             |               |           |
| CurrencyConversion       | Decimal                   |               |           |
| isoCurrencyName          | String                    |               |           |
| isoCurrencyCodeAlpha     | String (3)                |               |           |
| isoCurrencyCodeNum       | Positive Integer (1-999)  |               |           |

| Vertex                       |                           | Infor         |           |
|------------------------------|---------------------------|---------------|-----------|
| Element/Attribute            | Data type                 | Element value | Data type |
| AdministrativeDestination    |                           |               |           |
| taxAreaId                    | Integer (0-999999999)     |               |           |
| locationCustomsStatus        | LocationCustomsStatusCode |               |           |
| locationCode                 | String (0-20)             |               |           |
| externalJurisdictionCode     | String (0-20)             |               |           |
| StreetAddress1               | String (1-100)            |               |           |
| StreetAddress2               | String (1-100)            |               |           |
| City                         | String (1-60)             |               |           |
| MainDivision                 | String (1-60)             |               |           |
| SubDivision                  | String (1-60)             |               |           |
| PostalCode                   | String (1-20)             |               |           |
| Country                      | String (1-60)             |               |           |
| CurrencyConversion           | Decimal                   |               |           |
| isoCurrencyName              | String                    |               |           |
| isoCurrencyCodeAlpha         | String (3)                |               |           |
| isoCurrencyCodeNum           | Positive Integer (1-999)  |               |           |
| ExemptionCertificate         | String                    |               |           |
| exemptionCertificateNumber   | String (1-30)             |               |           |
| TaxRegistration              |                           |               |           |
| isoCountryCode               | String (2-3)              |               |           |
| mainDivision                 | String (1-60)             |               |           |
| hasPhysicalPresenceIndicator | Boolean                   |               |           |
| impositionType               | String (0-60)             |               |           |
| TaxRegistrationNumber        | String (0-40)             |               |           |
| NexusOverride                |                           |               |           |
| locationRole                 | TaxingLocationCode        |               |           |
| country                      | Boolean                   |               |           |
| mainDivision                 | Boolean                   |               |           |
| subDivision                  | Boolean                   |               |           |

| Vertex                       |                       | Infor              |           |
|------------------------------|-----------------------|--------------------|-----------|
| Element/Attribute            | Data type             | Element value      | Data type |
| city                         | Boolean               |                    |           |
| district                     | Boolean               |                    |           |
| PhysicalLocation             |                       |                    |           |
| taxAreaId                    | Integer (0-999999999) |                    |           |
| StreetAddress1               | String (1-100)        |                    |           |
| StreetAddress2               | String (1-100)        |                    |           |
| City                         | String (1-60)         |                    |           |
| MainDivision                 | String (1-60)         |                    |           |
| SubDivision                  | String (1-60)         |                    |           |
| PostalCode                   | String (1-20)         |                    |           |
| Country                      | String (1-60)         |                    |           |
| TaxOverride                  |                       |                    |           |
| overrideType                 | TaxOverrideCode       |                    |           |
| overrideReasonCode           | String (1-4)          |                    |           |
| ImpositionToProcess          |                       |                    |           |
| impositionType               | String (0-60)         |                    |           |
| JurisdictionOverride         |                       |                    |           |
| jurisdictionLevel            | JurisdictionLevelCode |                    |           |
| impositionType               | String (0-60)         |                    |           |
| DeductionOverride            |                       |                    |           |
| ExemptOverride               |                       |                    |           |
| overrideExemptReasonCode     | String (1-4)          |                    |           |
| NonTaxableOverride           |                       |                    |           |
| overrideNonTaxableReasonCode | String (1-4)          |                    |           |
| RateOverride                 | Decimal               |                    |           |
| SitusOverride                |                       |                    |           |
| taxingLocation               | TaxingLocationCode    |                    |           |
| Product                      | String (0-40)         | ProductTaxCategory | Alpha 15  |

| Vertex                  |                          | Infor         |              |
|-------------------------|--------------------------|---------------|--------------|
| Element/Attribute       | Data type                | Element value | Data type    |
| productClass            | String (0-40)            | ProductClass  | Alpha 40     |
| CommodityCode           | String (0-40)            |               |              |
| commodityCodeType       | String (1-60)            |               |              |
| Quantity                | Decimal                  | Quantity      | Decimal 13.4 |
| unitOfMeasure           | String (1-3)             |               |              |
| Weight                  | Decimal                  |               |              |
| unitOfMeasure           | String (1-3)             |               |              |
| Volume                  | Decimal                  |               |              |
| unitOfMeasure           | String (1-3)             |               |              |
| SupplementaryUnit       | Decimal                  |               |              |
| unitType                | String (0-20)            |               |              |
| StatisticalValue        | Decimal                  |               |              |
| isoCurrencyName         | String                   |               |              |
| isoCurrencyCodeAlpha    | String (3)               |               |              |
| isoCurrencyCodeNum      | Positive Integer (1-999) |               |              |
| Freight                 | Decimal                  | FreightAmount | Decimal 18.2 |
| FairMarketValue         | Decimal                  |               |              |
| Cost                    | Decimal                  |               |              |
| UnitPrice               | Decimal                  | TaxableAmount | Decimal 18.2 |
| ExtendedPrice           | Decimal                  | TaxableAmount | Decimal 18.2 |
| LandedCost              | Decimal                  |               |              |
| Discount                |                          |               |              |
| userDefinedDiscountCode | String                   |               |              |
| DiscountPercent*        | Decimal                  |               |              |
| DiscountAmount*         | Decimal                  |               |              |
| AmountBilledToDate      | Decimal                  |               |              |

| Vertex                   |                   | Infor         |           |
|--------------------------|-------------------|---------------|-----------|
| Element/Attribute        | Data type         | Element value | Data type |
| FlexibleFields           |                   |               |           |
| FlexibleCodeField        | String (1-40)     |               |           |
| fieldId                  | Integer (1-25)    |               |           |
| FlexibleNumericField     | Decimal           |               |           |
| fieldId                  | Integer (1-10)    |               |           |
| FlexibleDateField        | Date (yyyy-mm-dd) |               |           |
| fieldId                  | Integer (1-5)     |               |           |
| ReturnsFields            |                   |               |           |
| ReturnsCodeField         | String            |               |           |
| name                     | String            |               |           |
| ReturnsNumericField      | Decimal           |               |           |
| name                     | String            |               |           |
| ReturnsDateField         | Date (yyyy-mm-dd) |               |           |
| name                     | String            |               |           |
| ReturnsIndicatorField    | Boolean           |               |           |
| name                     | String            |               |           |
| LineItem                 |                   |               |           |
| ApplicationData          |                   |               |           |
| Sender                   | String            |               |           |
| MessageLogging           |                   |               |           |
| returnLogEntries         | Boolean           |               |           |
| OverrideLoggingThreshold |                   |               |           |
| thresholdScope           | String            |               |           |
| LogEntry                 |                   |               |           |
| logLevel                 | LogLevel          |               |           |
| instanceId               | String            |               |           |
| threadId                 | String            |               |           |
| className                | String            |               |           |
| Message                  | String            |               |           |

| Vertex            |           | Infor         |           |
|-------------------|-----------|---------------|-----------|
| Element/Attribute | Data type | Element value | Data type |
| Exception         | String    |               |           |
| ResponseTimeMS    | Decimal   |               |           |

## Appendix C: Invoice request mapping

Tax calculation on an invoice is initiated by an invoice request message. These messages are used to calculate tax at the time of shipping, billing, or invoicing from the seller's perspective. Any tax liabilities are typically incurred at the point of invoicing. Invoice transactions are written to the tax journal.

| Vertex                            |                    | Infor                         |           |
|-----------------------------------|--------------------|-------------------------------|-----------|
| Element/Attribute                 | Data type          | Element value                 | Data type |
| Login                             |                    |                               |           |
| UserName                          | String (1-64)      |                               |           |
| Password                          | String (1-64)      |                               |           |
| TrustedId                         | String (6-16)      | VertexConfigVersion.TrustedId | Alpha 16  |
| InvoiceRequest                    |                    |                               |           |
| documentNumber                    | String (1-50)      | InvoiceNumber                 | Alpha 22  |
| documentType                      | String (1-20)      |                               |           |
| billingType                       | String (1-20)      |                               |           |
| orderType                         | String (1-20)      |                               |           |
| postingDate                       | Date (yyyy-mm-dd)  | PostDate                      | Date      |
| locationCode                      | String (1-20)      | Customer Location             | Num 4     |
| returnAssistedParametersIndicator | Boolean            |                               |           |
| returnGeneratedLineItemsIndicator | Boolean            |                               |           |
| deliveryTerm                      | DeliveryTermCode   | ShipTerm                      | Alpha 3   |
| documentDate                      | Date (yyyy-mm-dd)  | InvoiceDate                   | Date      |
| transactionId                     | String (1-40)      |                               |           |
| transactionType                   | SaleTransaction    | Vertex SalesTransaction type  |           |
| simplificationCode                | SimplificationCode |                               |           |

| Vertex                       |                          | Infor                           |           |
|------------------------------|--------------------------|---------------------------------|-----------|
| Element/Attribute            | Data type                | Element value                   | Data type |
| roundAtLineLevel             | Boolean                  |                                 |           |
| paymentDate                  | Date (yyyy-mm-dd)        |                                 |           |
| documentSequenceId           | String (0-60)            |                                 |           |
| Currency                     |                          | Currency                        | Alpha 5   |
| isoCurrencyName              | String                   |                                 |           |
| isoCurrencyCodeAlpha         | String (3)               | CompanyCurrency.ISOCode         | Alpha 3   |
| isoCurrencyCodeNum           | Positive Integer (1-999) | CompanyCurrency.ISOCodeNumber   | Num 3     |
| OriginalCurrency             |                          |                                 |           |
| isoCurrencyName              | String                   |                                 |           |
| isoCurrencyCodeAlpha         | String (3)               |                                 |           |
| isoCurrencyCodeNum           | Positive Integer (1-999) |                                 |           |
| Seller                       |                          | Company                         |           |
| nexusIndicator               | Boolean                  |                                 |           |
| nexusReasonCode              | String (1-4)             |                                 |           |
| Company                      | String (0-40)            | TaxEntity (Accounting Entity)   | Alpha 12  |
| Division                     | String (0-40)            |                                 |           |
| Department                   | String (0-40)            |                                 |           |
| Dispatcher                   |                          |                                 |           |
| DispatcherCode               | String (0-40)            |                                 |           |
| classCode                    | String (1-40)            |                                 |           |
| TaxRegistration              |                          | From TaxEntity                  |           |
| isoCountryCode               | String (2-3)             | TaxEntity.VATCountry            | Alpha 3   |
| mainDivision                 | String (1-60)            |                                 |           |
| hasPhysicalPresenceIndicator | Boolean                  |                                 |           |
| impositionType               | String (0-60)            |                                 |           |
| TaxRegistrationNumber        | String (0-40)            | TaxEntity.VATRegistrationNumber | Alpha 12  |

| Vertex                   |                           | Infor                           |           |
|--------------------------|---------------------------|---------------------------------|-----------|
| Element/Attribute        | Data type                 | Element value                   | Data type |
| NexusOverride            |                           |                                 |           |
| locationRole             | TaxingLocationCode        |                                 |           |
| country                  | Boolean                   |                                 |           |
| mainDivision             | Boolean                   |                                 |           |
| subDivision              | Boolean                   |                                 |           |
| city                     | Boolean                   |                                 |           |
| district                 | Boolean                   |                                 |           |
| PhysicalLocation         |                           |                                 |           |
| taxAreaId                | Integer (0-999999999)     |                                 |           |
| StreetAddress1           | String (1-100)            |                                 |           |
| StreetAddress2           | String (1-100)            |                                 |           |
| City                     | String (1-60)             |                                 |           |
| MainDivision             | String (1-60)             |                                 |           |
| SubDivision              | String (1-60)             |                                 |           |
| PostalCode               | String (1-20)             |                                 |           |
| Country                  | String (1-60)             |                                 |           |
| PhysicalOrigin           |                           | Company or Process LevelAddress |           |
| taxAreaId                | Integer (0-999999999)     | Process Level Tax-Code          |           |
| locationCustomsStatus    | LocationCustomsStatusCode |                                 |           |
| locationCode             | String (0-20)             |                                 |           |
| externalJurisdictionCode | String (0-20)             |                                 |           |
| StreetAddress1           | String (1-100)            | DeliveryAddress.AddressLine1    |           |
| StreetAddress2           | String (1-100)            |                                 |           |
| City                     | String (1-60)             | PostalAddress.Municipality      |           |
| MainDivision             | String (1-60)             | PostalAddress.StateProvince     |           |

| Vertex                   |                           | Infor                                             |                          |
|--------------------------|---------------------------|---------------------------------------------------|--------------------------|
| Element/Attribute        | Data type                 | Element value                                     | Data type                |
| SubDivision              | String (1-60)             | PostalAd-<br>dress.County                         |                          |
| PostalCode               | String (1-20)             | PostalAd-<br>dress.PostalCode                     |                          |
| Country                  | String (1-60)             | PostalAd-<br>dress.Country                        |                          |
| CurrencyConversion       | Decimal                   | CompanyBaseCur-<br>rency                          | Decimal<br>size<br>31.15 |
| isoCurrencyName          | String                    | Company.BaseCur-<br>rencyName                     |                          |
| isoCurrencyCodeAlpha     | String (3)                | Company.BaseCur-<br>rencyCode.Alpha               |                          |
| isoCurrencyCodeNum       | Positive Integer (1-999)  | Company.BaseCur-<br>rencyCode.Numer-<br>ic        |                          |
| AdministrativeOrigin     |                           | POAAddress                                        |                          |
| taxAreaId                | Integer (0-999999999)     | POATaxCode                                        |                          |
| locationCustomsStatus    | LocationCustomsStatusCode |                                                   |                          |
| locationCode             | String (0-20)             |                                                   |                          |
| externalJurisdictionCode | String (0-20)             |                                                   |                          |
| StreetAddress1           | String (1-100)            | POAAddress.Deliv-<br>eryAddress.Ad-<br>dressLine1 |                          |
| StreetAddress2           | String (1-100)            |                                                   |                          |
| City                     | String (1-60)             | POAAddress.Munic-<br>ipality                      |                          |
| MainDivision             | String (1-60)             | POAAd-<br>dress.StateProvince                     |                          |
| SubDivision              | String (1-60)             | POAAddress.Coun-<br>ty                            |                          |
| PostalCode               | String (1-20)             | POAAddress.Postal-<br>Code                        |                          |
| Country                  | String (1-60)             | POAAddress.Coun-<br>tryCode                       |                          |

| Vertex                       |                          | Infor                          |           |
|------------------------------|--------------------------|--------------------------------|-----------|
| Element/Attribute            | Data type                | Element value                  | Data type |
| CurrencyConversion           | Decimal                  | POACurrencyRate                |           |
| isoCurrencyName              | String                   |                                |           |
| isoCurrencyCodeAlpha         | String (3)               | POACurrency.ISOCode            |           |
| isoCurrencyCodeNum           | Positive Integer (1-999) | POACurrency.ISOCodeNumber      |           |
| TaxRegistration              |                          | Customer VAT Registration      |           |
| isoCountryCode               | String (2-3)             | Customer.CountryCode           | Alpha 3   |
| mainDivision                 | String (1-60)            |                                |           |
| hasPhysicalPresenceIndicator | Boolean                  |                                |           |
| impositionType               | String (0-60)            |                                |           |
| TaxRegistrationNumber        | String (0-40)            | Customer.VATRegistrationNumber | Alpha 12  |
| NexusOverride                |                          |                                |           |
| locationRole                 | TaxingLocationCode       |                                |           |
| country                      | Boolean                  |                                |           |
| mainDivision                 | Boolean                  |                                |           |
| subDivision                  | Boolean                  |                                |           |
| city                         | Boolean                  |                                |           |
| district                     | Boolean                  |                                |           |
| PhysicalLocation             |                          |                                |           |
| taxAreaId                    | Integer (0-999999999)    |                                |           |
| StreetAddress1               | String (1-100)           |                                |           |
| StreetAddress2               | String (1-100)           |                                |           |
| City                         | String (1-60)            |                                |           |
| MainDivision                 | String (1-60)            |                                |           |
| SubDivision                  | String (1-60)            |                                |           |
| PostalCode                   | String (1-20)            |                                |           |
| Country                      | String (1-60)            |                                |           |

| Vertex                   |                           | Infor                                      |           |
|--------------------------|---------------------------|--------------------------------------------|-----------|
| Element/Attribute        | Data type                 | Element value                              | Data type |
| Customer                 |                           | Receivables Customer                       |           |
| isTaxExempt              | Boolean                   | Customer.Exempt flag                       |           |
| exemptionReasonCode      | String (1-4)              |                                            |           |
| CustomerCode             |                           | Receivables Customer                       |           |
| classCode                | String (1-40)             |                                            |           |
| isBusinessIndicator      | Boolean                   |                                            |           |
| Destination              |                           | Customer Ship To                           |           |
| taxAreaId                | Integer (0-999999999)     | Customer Tax Code                          | Alpha 15  |
| locationCustomsStatus    | LocationCustomsStatusCode |                                            |           |
| locationCode             | String (0-20)             | Customer                                   |           |
| externalJurisdictionCode | String (0-20)             |                                            |           |
| StreetAddress1           | String (1-100)            | PostalAddress.DeliveryAddress.AddressLine1 |           |
| StreetAddress2           | String (1-100)            |                                            |           |
| City                     | String (1-60)             | PostalAddress.Municipality                 |           |
| MainDivision             | String (1-60)             | PostalAddress.StateProvince                |           |
| SubDivision              | String (1-60)             | PostalAddress.County                       |           |
| PostalCode               | String (1-20)             | PostalAddress.PostalCode                   |           |
| Country                  | String (1-60)             | PostalAddress.Country                      |           |
| CurrencyConversion       | Decimal                   | TransactionCurrency                        |           |
| isoCurrencyName          | String                    |                                            |           |
| isoCurrencyCodeAlpha     | String (3)                | TransactionCurrency.ISOCode                |           |

| Vertex                     |                           | Infor                                   |           |
|----------------------------|---------------------------|-----------------------------------------|-----------|
| Element/Attribute          | Data type                 | Element value                           | Data type |
| isoCurrencyCodeNum         | Positive Integer (1-999)  | TransactionCurrency.ISOCodeNumber       |           |
| AdministrativeDestination  |                           | POAAddress                              |           |
| taxAreaId                  | Integer (0-999999999)     | POATaxCode                              |           |
| locationCustomsStatus      | LocationCustomsStatusCode |                                         |           |
| locationCode               | String (0-20)             |                                         |           |
| externalJurisdictionCode   | String (0-20)             |                                         |           |
| StreetAddress1             | String (1-100)            | POAAddress.DeliveryAddress.AddressLine1 |           |
| StreetAddress2             | String (1-100)            |                                         |           |
| City                       | String (1-60)             | POAPostalAddress.Municipality           |           |
| MainDivision               | String (1-60)             | POAPostalAddress.StateProvince          |           |
| SubDivision                | String (1-60)             | POAPostalAddress.County                 |           |
| PostalCode                 | String (1-20)             | POAPostalAddress.PostalCode             |           |
| Country                    | String (1-60)             | POAPostalAddress.Country                |           |
| CurrencyConversion         | Decimal                   | POACurrency                             |           |
| isoCurrencyName            | String                    |                                         |           |
| isoCurrencyCodeAlpha       | String (3)                | POACurrency.ISOCode                     | Alpha 3   |
| isoCurrencyCodeNum         | Positive Integer (1-999)  | POACurrency.ISOCodeNumber               | Num 3     |
| ExemptionCertificate       | String                    |                                         |           |
| exemptionCertificateNumber | String (1-30)             |                                         |           |
| TaxRegistration            |                           | CustomerTaxRegistration                 |           |
| isoCountryCode             | String (2-3)              | TaxEntity.VATCountry                    |           |

| Vertex                       |                       | Infor                 |           |
|------------------------------|-----------------------|-----------------------|-----------|
| Element/Attribute            | Data type             | Element value         | Data type |
| mainDivision                 | String (1-60)         |                       |           |
| hasPhysicalPresenceIndicator | Boolean               |                       |           |
| impositionType               | String (0-60)         |                       |           |
| TaxRegistrationNumber        | String (0-40)         | VATRegistrationNumber | Alpha 12  |
| NexusOverride                |                       |                       |           |
| locationRole                 | TaxingLocationCode    |                       |           |
| country                      | Boolean               |                       |           |
| mainDivision                 | Boolean               |                       |           |
| subDivision                  | Boolean               |                       |           |
| city                         | Boolean               |                       |           |
| district                     | Boolean               |                       |           |
| PhysicalLocation             |                       |                       |           |
| taxAreaId                    | Integer (0-999999999) |                       |           |
| StreetAddress1               | String (1-100)        |                       |           |
| StreetAddress2               | String (1-100)        |                       |           |
| City                         | String (1-60)         |                       |           |
| MainDivision                 | String (1-60)         |                       |           |
| SubDivision                  | String (1-60)         |                       |           |
| PostalCode                   | String (1-20)         |                       |           |
| Country                      | String (1-60)         |                       |           |
| TaxOverride                  |                       |                       |           |
| overrideType                 | TaxOverrideCode       |                       |           |
| overrideReasonCode           | String (1-4)          |                       |           |
| ImpositionToProcess          |                       |                       |           |
| impositionType               | String (0-60)         |                       |           |
| JurisdictionOverride         |                       |                       |           |
| jurisdictionLevel            | JurisdictionLevelCode |                       |           |
| impositionType               | String (0-60)         |                       |           |

| Vertex                       |                    | Infor                      |           |
|------------------------------|--------------------|----------------------------|-----------|
| Element/Attribute            | Data type          | Element value              | Data type |
| DeductionOverride            |                    |                            |           |
| ExemptOverride               |                    |                            |           |
| overrideExemptReasonCode     | String (1-4)       |                            |           |
| NonTaxableOverride           |                    |                            |           |
| overrideNonTaxableReasonCode | String (1-4)       |                            |           |
| RateOverride                 | Decimal            |                            |           |
| SitusOverride                |                    |                            |           |
| taxingLocation               | TaxingLocationCode |                            |           |
| Discount                     |                    |                            |           |
| userDefinedDiscountCode      | String             |                            |           |
| DiscountPercent*             | Decimal            |                            |           |
| DiscountAmount*              | Decimal            |                            |           |
| LineItem                     |                    |                            |           |
| lineItemNumber               | Integer            | LineNumber (defaults to 1) | Num 6     |
| taxDate                      | Date (yyyy-mm-dd)  |                            |           |
| isMulticomponent             | Boolean            |                            |           |
| locationCode                 | String (1-20)      |                            |           |
| deliveryTerm                 | DeliveryTermCode   | ShipTerm                   | Alpha 3   |
| postingDate                  | Date (yyyy-mm-dd)  |                            |           |
| costCenter                   | String (1-40)      |                            |           |
| departmentCode               | String (1-40)      |                            |           |
| generalLedgerAccount         | String (1-40)      |                            |           |
| materialCode                 | String (1-40)      |                            |           |
| projectNumber                | String (1-40)      |                            |           |
| usage                        | String (1-40)      | TaxUsageCode               | Alpha 10  |
| usageClass                   | String (1-40)      |                            |           |
| vendorSKU                    | String (1-40)      |                            |           |
| countryOfOriginISOCODE       | String (0-3)       |                            |           |

| Vertex                       |                           | Infor                     |           |
|------------------------------|---------------------------|---------------------------|-----------|
| Element/Attribute            | Data type                 | Element value             | Data type |
| modeOfTransport              | Positive Integer (1-99)   |                           |           |
| natureOfTransaction          | Positive Integer (1-999)  |                           |           |
| intrastatCommodityCode       | String (0-unlimited)      |                           |           |
| netMassKilograms             | Integer                   |                           |           |
| lineItemId                   | String (1-40)             | defaults to<br>LineNumber | Num 6     |
| taxIncludedIndicator         | Boolean                   | TaxIncludedIndica-<br>tor | Boolean   |
| transactionType              | SaleTransaction           |                           |           |
| simplificationCode           | SimplificationCode        |                           |           |
| titleTransfer                | PointOfTitleTransferCode  |                           |           |
| chainTransactionPhase        | ChainTransactionPhaseCode |                           |           |
| exportProcedure              | String (1-20)             |                           |           |
| Seller                       |                           |                           |           |
| nexusIndicator               | Boolean                   |                           |           |
| nexusReasonCode              | String (1-4)              |                           |           |
| Company                      | String (0-40)             |                           |           |
| Division                     | String (0-40)             |                           |           |
| Department                   | String (0-40)             |                           |           |
| Dispatcher                   |                           |                           |           |
| DispatcherCode               | String (0-40)             |                           |           |
| classCode                    | String (1-40)             |                           |           |
| TaxRegistration              |                           |                           |           |
| isoCountryCode               | String (2-3)              |                           |           |
| mainDivision                 | String (1-60)             |                           |           |
| hasPhysicalPresenceIndicator | Boolean                   |                           |           |
| impositionType               | String (0-60)             |                           |           |
| TaxRegistrationNumber        | String (0-40)             |                           |           |
| NexusOverride                |                           |                           |           |
| locationRole                 | TaxingLocationCode        |                           |           |

| Vertex                   |                           | Infor         |           |
|--------------------------|---------------------------|---------------|-----------|
| Element/Attribute        | Data type                 | Element value | Data type |
| country                  | Boolean                   |               |           |
| mainDivision             | Boolean                   |               |           |
| subDivision              | Boolean                   |               |           |
| city                     | Boolean                   |               |           |
| district                 | Boolean                   |               |           |
| PhysicalLocation         |                           |               |           |
| taxAreaId                | Integer (0-999999999)     |               |           |
| StreetAddress1           | String (1-100)            |               |           |
| StreetAddress2           | String (1-100)            |               |           |
| City                     | String (1-60)             |               |           |
| MainDivision             | String (1-60)             |               |           |
| SubDivision              | String (1-60)             |               |           |
| PostalCode               | String (1-20)             |               |           |
| Country                  | String (1-60)             |               |           |
| PhysicalOrigin           |                           |               |           |
| taxAreaId                | Integer (0-999999999)     |               |           |
| locationCustomsStatus    | LocationCustomsStatusCode |               |           |
| locationCode             | String (0-20)             |               |           |
| externalJurisdictionCode | String (0-20)             |               |           |
| StreetAddress1           | String (1-100)            |               |           |
| StreetAddress2           | String (1-100)            |               |           |
| City                     | String (1-60)             |               |           |
| MainDivision             | String (1-60)             |               |           |
| SubDivision              | String (1-60)             |               |           |
| PostalCode               | String (1-20)             |               |           |
| Country                  | String (1-60)             |               |           |
| CurrencyConversion       | Decimal                   |               |           |
| isoCurrencyName          | String                    |               |           |
| isoCurrencyCodeAlpha     | String (3)                |               |           |

| Vertex                       |                           | Infor         |           |
|------------------------------|---------------------------|---------------|-----------|
| Element/Attribute            | Data type                 | Element value | Data type |
| isoCurrencyCodeNum           | Positive Integer (1-999)  |               |           |
| AdministrativeOrigin         |                           |               |           |
| taxAreaId                    | Integer (0-999999999)     |               |           |
| locationCustomsStatus        | LocationCustomsStatusCode |               |           |
| locationCode                 | String (0-20)             |               |           |
| externalJurisdictionCode     | String (0-20)             |               |           |
| StreetAddress1               | String (1-100)            |               |           |
| StreetAddress2               | String (1-100)            |               |           |
| City                         | String (1-60)             |               |           |
| MainDivision                 | String (1-60)             |               |           |
| SubDivision                  | String (1-60)             |               |           |
| PostalCode                   | String (1-20)             |               |           |
| Country                      | String (1-60)             |               |           |
| CurrencyConversion           | Decimal                   |               |           |
| isoCurrencyName              | String                    |               |           |
| isoCurrencyCodeAlpha         | String (3)                |               |           |
| isoCurrencyCodeNum           | Positive Integer (1-999)  |               |           |
| TaxRegistration              |                           |               |           |
| isoCountryCode               | String (2-3)              |               |           |
| mainDivision                 | String (1-60)             |               |           |
| hasPhysicalPresenceIndicator | Boolean                   |               |           |
| impositionType               | String (0-60)             |               |           |
| TaxRegistrationNumber        | String (0-40)             |               |           |
| NexusOverride                |                           |               |           |
| locationRole                 | TaxingLocationCode        |               |           |
| country                      | Boolean                   |               |           |
| mainDivision                 | Boolean                   |               |           |
| subDivision                  | Boolean                   |               |           |
| city                         | Boolean                   |               |           |

| Vertex                   |                           | Infor         |           |
|--------------------------|---------------------------|---------------|-----------|
| Element/Attribute        | Data type                 | Element value | Data type |
| district                 | Boolean                   |               |           |
| PhysicalLocation         |                           |               |           |
| taxAreaId                | Integer (0-999999999)     |               |           |
| StreetAddress1           | String (1-100)            |               |           |
| StreetAddress2           | String (1-100)            |               |           |
| City                     | String (1-60)             |               |           |
| MainDivision             | String (1-60)             |               |           |
| SubDivision              | String (1-60)             |               |           |
| PostalCode               | String (1-20)             |               |           |
| Country                  | String (1-60)             |               |           |
| Customer                 |                           |               |           |
| isTaxExempt              | Boolean                   |               |           |
| exemptionReasonCode      | String (1-4)              |               |           |
| CustomerCode             |                           |               |           |
| classCode                | String (1-40)             |               |           |
| isBusinessIndicator      | Boolean                   |               |           |
| Destination              |                           |               |           |
| taxAreaId                | Integer (0-999999999)     |               |           |
| locationCustomsStatus    | LocationCustomsStatusCode |               |           |
| locationCode             | String (0-20)             |               |           |
| externalJurisdictionCode | String (0-20)             |               |           |
| StreetAddress1           | String (1-100)            |               |           |
| StreetAddress2           | String (1-100)            |               |           |
| City                     | String (1-60)             |               |           |
| MainDivision             | String (1-60)             |               |           |
| SubDivision              | String (1-60)             |               |           |
| PostalCode               | String (1-20)             |               |           |
| Country                  | String (1-60)             |               |           |
| CurrencyConversion       | Decimal                   |               |           |

| Vertex                       |                           | Infor         |           |
|------------------------------|---------------------------|---------------|-----------|
| Element/Attribute            | Data type                 | Element value | Data type |
| isoCurrencyName              | String                    |               |           |
| isoCurrencyCodeAlpha         | String (3)                |               |           |
| isoCurrencyCodeNum           | Positive Integer (1-999)  |               |           |
| AdministrativeDestination    |                           |               |           |
| taxAreaId                    | Integer (0-999999999)     |               |           |
| locationCustomsStatus        | LocationCustomsStatusCode |               |           |
| locationCode                 | String (0-20)             |               |           |
| externalJurisdictionCode     | String (0-20)             |               |           |
| StreetAddress1               | String (1-100)            |               |           |
| StreetAddress2               | String (1-100)            |               |           |
| City                         | String (1-60)             |               |           |
| MainDivision                 | String (1-60)             |               |           |
| SubDivision                  | String (1-60)             |               |           |
| PostalCode                   | String (1-20)             |               |           |
| Country                      | String (1-60)             |               |           |
| CurrencyConversion           | Decimal                   |               |           |
| isoCurrencyName              | String                    |               |           |
| isoCurrencyCodeAlpha         | String (3)                |               |           |
| isoCurrencyCodeNum           | Positive Integer (1-999)  |               |           |
| ExemptionCertificate         | String                    |               |           |
| exemptionCertificateNumber   | String (1-30)             |               |           |
| TaxRegistration              |                           |               |           |
| isoCountryCode               | String (2-3)              |               |           |
| mainDivision                 | String (1-60)             |               |           |
| hasPhysicalPresenceIndicator | Boolean                   |               |           |
| impositionType               | String (0-60)             |               |           |
| TaxRegistrationNumber        | String (0-40)             |               |           |
| NexusOverride                |                           |               |           |
| locationRole                 | TaxingLocationCode        |               |           |

| Vertex                       |                       | Infor         |           |
|------------------------------|-----------------------|---------------|-----------|
| Element/Attribute            | Data type             | Element value | Data type |
| country                      | Boolean               |               |           |
| mainDivision                 | Boolean               |               |           |
| subDivision                  | Boolean               |               |           |
| city                         | Boolean               |               |           |
| district                     | Boolean               |               |           |
| PhysicalLocation             |                       |               |           |
| taxAreaId                    | Integer (0-999999999) |               |           |
| StreetAddress1               | String (1-100)        |               |           |
| StreetAddress2               | String (1-100)        |               |           |
| City                         | String (1-60)         |               |           |
| MainDivision                 | String (1-60)         |               |           |
| SubDivision                  | String (1-60)         |               |           |
| PostalCode                   | String (1-20)         |               |           |
| Country                      | String (1-60)         |               |           |
| TaxOverride                  |                       |               |           |
| overrideType                 | TaxOverrideCode       |               |           |
| overrideReasonCode           | String (1-4)          |               |           |
| ImpositionToProcess          |                       |               |           |
| impositionType               | String (0-60)         |               |           |
| JurisdictionOverride         |                       |               |           |
| jurisdictionLevel            | JurisdictionLevelCode |               |           |
| impositionType               | String (0-60)         |               |           |
| DeductionOverride            |                       |               |           |
| ExemptOverride               |                       |               |           |
| overrideExemptReasonCode     | String (1-4)          |               |           |
| NonTaxableOverride           |                       |               |           |
| overrideNonTaxableReasonCode | String (1-4)          |               |           |
| RateOverride                 | Decimal               |               |           |
| SitusOverride                |                       |               |           |

| Vertex                  |                          | Infor              |              |
|-------------------------|--------------------------|--------------------|--------------|
| Element/Attribute       | Data type                | Element value      | Data type    |
| taxingLocation          | TaxingLocationCode       |                    |              |
| Product                 | String (0-40)            | ProductTaxCategory | Alpha 15     |
| productClass            | String (0-40)            | ProductClass       | Alpha 40     |
| CommodityCode           | String (0-40)            |                    |              |
| commodityCodeType       | String (1-60)            |                    |              |
| Quantity                | Decimal                  | Quantity           | Decimal 13.4 |
| unitOfMeasure           | String (1-3)             |                    |              |
| Weight                  | Decimal                  |                    |              |
| unitOfMeasure           | String (1-3)             |                    |              |
| Volume                  | Decimal                  |                    |              |
| unitOfMeasure           | String (1-3)             |                    |              |
| SupplementaryUnit       | Decimal                  |                    |              |
| unitType                | String (0-20)            |                    |              |
| StatisticalValue        | Decimal                  |                    |              |
| isoCurrencyName         | String                   |                    |              |
| isoCurrencyCodeAlpha    | String (3)               |                    |              |
| isoCurrencyCodeNum      | Positive Integer (1-999) |                    |              |
| Freight                 | Decimal                  | FreightAmount      | Decimal 18.2 |
| FairMarketValue         | Decimal                  |                    |              |
| Cost                    | Decimal                  |                    |              |
| UnitPrice               | Decimal                  | TaxableAmount      | Decimal 18.2 |
| ExtendedPrice           | Decimal                  | TaxableAmount      | Decimal 18.2 |
| LandedCost              | Decimal                  |                    |              |
| Discount                |                          |                    |              |
| userDefinedDiscountCode | String                   |                    |              |

| Vertex                   |                   | Infor         |           |
|--------------------------|-------------------|---------------|-----------|
| Element/Attribute        | Data type         | Element value | Data type |
| DiscountPercent*         | Decimal           |               |           |
| DiscountAmount*          | Decimal           |               |           |
| AmountBilledToDate       | Decimal           |               |           |
| FlexibleFields           |                   |               |           |
| FlexibleCodeField        | String (1-40)     |               |           |
| fieldId                  | Integer (1-25)    |               |           |
| FlexibleNumericField     | Decimal           |               |           |
| fieldId                  | Integer (1-10)    |               |           |
| FlexibleDateField        | Date (yyyy-mm-dd) |               |           |
| fieldId                  | Integer (1-5)     |               |           |
| ReturnsFields            |                   |               |           |
| ReturnsCodeField         | String            |               |           |
| name                     | String            |               |           |
| ReturnsNumericField      | Decimal           |               |           |
| name                     | String            |               |           |
| ReturnsDateField         | Date (yyyy-mm-dd) |               |           |
| name                     | String            |               |           |
| ReturnsIndicatorField    | Boolean           |               |           |
| name                     | String            |               |           |
| LineItem                 |                   |               |           |
| ApplicationData          |                   |               |           |
| Sender                   | String            |               |           |
| MessageLogging           |                   |               |           |
| returnLogEntries         | Boolean           |               |           |
| OverrideLoggingThreshold |                   |               |           |
| thresholdScope           | String            |               |           |
| LogEntry                 |                   |               |           |
| logLevel                 | LogLevel          |               |           |
| instanceId               | String            |               |           |

| Vertex            |           | Infor         |           |
|-------------------|-----------|---------------|-----------|
| Element/Attribute | Data type | Element value | Data type |
| threadId          | String    |               |           |
| className         | String    |               |           |
| Message           | String    |               |           |
| Exception         | String    |               |           |
| ResponseTimeMS    | Decimal   |               |           |

## Appendix D: Invoice verification request mapping

The invoice verification request initiates an invoice verification calculation and is used to verify tax on incoming invoices to the buyer for tangible personal property, rentals, and leases. The invoice verification message compares the total vendor-charged or supplier-charged tax amount from the original invoice to the Vertex-calculated tax amount. The calculation engine then validates user-defined verification thresholds for tolerances at the transaction level. The calculation engine also returns an indicator to the host system for undercharges and overcharges outside these settings. The invoice may display no tax if the buyer has filed a direct pay permit with the vendor or supplier.

| Vertex                            |                   | Infor                         |                 |
|-----------------------------------|-------------------|-------------------------------|-----------------|
| Element/Attribute                 | Data Type         | Element Value                 | Data Type       |
| Login                             |                   |                               |                 |
| UserName                          | String (1-64)     |                               |                 |
| Password                          | String (1-64)     |                               |                 |
| TrustedId                         | String (6-16)     | VertexConfigVersion.TrustedId | Alpha 16        |
| InvoiceVerificationRequest        |                   |                               |                 |
| documentNumber                    | String (1-50)     | InvoiceNumber, PO Number      | Alpha 22, Num 9 |
| documentType                      | String (1-20)     |                               |                 |
| billingType                       | String (1-20)     |                               |                 |
| orderType                         | String (1-20)     |                               |                 |
| postingDate                       | Date (yyyy-mm-dd) |                               |                 |
| locationCode                      | String (1-20)     | Vendor Location               | Alpha 4         |
| returnAssistedParametersIndicator | Boolean           |                               |                 |
| returnGeneratedLineItemsIndicator | Boolean           |                               |                 |
| deliveryTerm                      | DeliveryTermCode  | ShipTerm                      | Alpha 3         |
| documentDate                      | Date (yyyy-mm-dd) | InvoiceDate                   | Date            |

| Vertex               |                          | Infor                               |           |
|----------------------|--------------------------|-------------------------------------|-----------|
| Element/Attribute    | Data Type                | Element Value                       | Data Type |
| transactionId        | String (1-40)            |                                     |           |
| transactionType      | ProcurementTransaction   | Vertex Procurement Transaction type |           |
| simplificationCode   | SimplificationCode       |                                     |           |
| recoverableDate      | Date (yyyy-mm-dd)        |                                     |           |
| postToJournal        | Boolean                  | PostToJournal flag                  |           |
| roundAtLineLevel     | Boolean                  |                                     |           |
| paymentDate          | Date (yyyy-mm-dd)        |                                     |           |
| documentSequenceId   | String (0-60)            |                                     |           |
| Currency             |                          | Currency                            | Alpha 5   |
| isoCurrencyName      | String                   |                                     |           |
| isoCurrencyCodeAlpha | String (3)               | CompanyCurrency.ISOCode             | Alpha 3   |
| isoCurrencyCodeNum   | Positive Integer (1-999) | CompanyCurrency.ISOCodeNumber       | Num 3     |
| OriginalCurrency     |                          |                                     |           |
| isoCurrencyName      | String                   |                                     |           |
| isoCurrencyCodeAlpha | String (3)               |                                     |           |
| isoCurrencyCodeNum   | Positive Integer (1-999) |                                     |           |
| Buyer                |                          | Company                             |           |
| isTaxExempt          | Boolean                  |                                     |           |
| exemptionReasonCode  | String (1-4)             |                                     |           |
| Company              | String (0-40)            | TaxEntity (Accounting Entity)       | Alpha 12  |
| Division             | String (0-40)            |                                     |           |
| Department           | String (0-40)            |                                     |           |
| Destination          |                          | Company or ProcessLevelAddress      |           |

| Vertex                    |                           | Infor                          |           |
|---------------------------|---------------------------|--------------------------------|-----------|
| Element/Attribute         | Data Type                 | Element Value                  | Data Type |
| taxAreaId                 | Integer (0-999999999)     | Process Level TaxCode          |           |
| locationCustomsStatus     | LocationCustomsStatusCode |                                |           |
| locationCode              | String (0-20)             |                                |           |
| externalJurisdictionCode  | String (0-20)             |                                |           |
| StreetAddress1            | String (1-100)            | DeliveryAddress.AddressLine1   |           |
| StreetAddress2            | String (1-100)            |                                |           |
| City                      | String (1-60)             | PostalAddress.Municipality     |           |
| MainDivision              | String (1-60)             | PostalAddress.StateProvince    |           |
| SubDivision               | String (1-60)             | PostalAddress.County           |           |
| PostalCode                | String (1-20)             | PostalAddress.StateProvince    |           |
| Country                   | String (1-60)             | PostalAddress.Country          |           |
| CurrencyConversion        | Decimal                   | CompanyBaseCurrency            |           |
| isoCurrencyName           | String                    | Company.BaseCurrencyName       |           |
| isoCurrencyCodeAlpha      | String (3)                | Company.BaseCurrencyCode.Alpha |           |
| isoCurrencyCodeNum        | Positive Integer (1-999)  |                                |           |
| AdministrativeDestination |                           |                                |           |
| taxAreaId                 | Integer (0-999999999)     |                                |           |
| locationCustomsStatus     | LocationCustomsStatusCode |                                |           |
| locationCode              | String (0-20)             |                                |           |
| externalJurisdictionCode  | String (0-20)             |                                |           |
| StreetAddress1            | String (1-100)            |                                |           |

| Vertex                       |                          | Infor                           |           |
|------------------------------|--------------------------|---------------------------------|-----------|
| Element/Attribute            | Data Type                | Element Value                   | Data Type |
| StreetAddress2               | String (1-100)           |                                 |           |
| City                         | String (1-60)            |                                 |           |
| MainDivision                 | String (1-60)            |                                 |           |
| SubDivision                  | String (1-60)            |                                 |           |
| PostalCode                   | String (1-20)            |                                 |           |
| Country                      | String (1-60)            |                                 |           |
| CurrencyConversion           | Decimal                  |                                 |           |
| isoCurrencyName              | String                   |                                 |           |
| isoCurrencyCodeAlpha         | String (3)               |                                 |           |
| isoCurrencyCodeNum           | Positive Integer (1-999) |                                 |           |
| ExemptionCertificate         | String                   |                                 |           |
| exemptionCertificateNumber   | String (1-30)            |                                 |           |
| TaxRegistration              |                          | From TaxEntity                  |           |
| isoCountryCode               | String (2-3)             | TaxEntity.VAT-Country           | Alpha 3   |
| mainDivision                 | String (1-60)            |                                 |           |
| hasPhysicalPresenceIndicator | Boolean                  |                                 |           |
| impositionType               | String (0-60)            |                                 |           |
| TaxRegistrationNumber        | String (0-40)            | TaxEntity.VATRegistrationNumber | Alpha 12  |
| NexusOverride                |                          |                                 |           |
| locationRole                 | TaxingLocationCode       |                                 |           |
| country                      | Boolean                  |                                 |           |
| mainDivision                 | Boolean                  |                                 |           |
| subDivision                  | Boolean                  |                                 |           |
| city                         | Boolean                  |                                 |           |
| district                     | Boolean                  |                                 |           |
| PhysicalLocation             |                          |                                 |           |
| taxAreaId                    | Integer (0-999999999)    |                                 |           |
| StreetAddress1               | String (1-100)           |                                 |           |

| Vertex                   |                           | Infor                           |                    |
|--------------------------|---------------------------|---------------------------------|--------------------|
| Element/Attribute        | Data Type                 | Element Value                   | Data Type          |
| StreetAddress2           | String (1-100)            |                                 |                    |
| City                     | String (1-60)             |                                 |                    |
| MainDivision             | String (1-60)             |                                 |                    |
| SubDivision              | String (1-60)             |                                 |                    |
| PostalCode               | String (1-20)             |                                 |                    |
| Country                  | String (1-60)             |                                 |                    |
| Vendor                   |                           |                                 |                    |
| VendorCode               | String (0-40)             | Vendor                          | Numeric size 9     |
| classCode                | String (1-40)             |                                 |                    |
| PhysicalOrigin           |                           | Company or Process LevelAddress |                    |
| taxAreaId                | Integer (0-999999999)     | Vendor TaxCode                  |                    |
| locationCustomsStatus    | LocationCustomsStatusCode |                                 |                    |
| locationCode             | String (0-20)             | Vendor Location                 |                    |
| externalJurisdictionCode | String (0-20)             |                                 |                    |
| StreetAddress1           | String (1-100)            | DeliveryAddress.AddressLine1    |                    |
| StreetAddress2           | String (1-100)            |                                 |                    |
| City                     | String (1-60)             | PostalAddress.Municipality      |                    |
| MainDivision             | String (1-60)             | PostalAddress.StateProvince     |                    |
| SubDivision              | String (1-60)             | PostalAddress.County            |                    |
| PostalCode               | String (1-20)             | PostalAddress.PostalCode        |                    |
| Country                  | String (1-60)             | PostalAddress.Country           |                    |
| CurrencyConversion       | Decimal                   | TransactionCurrency             | Decimal size 31.15 |

| Vertex                       |                           | Infor                             |           |
|------------------------------|---------------------------|-----------------------------------|-----------|
| Element/Attribute            | Data Type                 | Element Value                     | Data Type |
| isoCurrencyName              | String                    |                                   |           |
| isoCurrencyCodeAlpha         | String (3)                | TransactionCur-<br>rency.ISOCode  |           |
| isoCurrencyCodeNum           | Positive Integer (1-999)  |                                   |           |
| AdministrativeOrigin         |                           |                                   |           |
| taxAreaId                    | Integer (0-999999999)     |                                   |           |
| locationCustomsStatus        | LocationCustomsStatusCode |                                   |           |
| locationCode                 | String (0-20)             |                                   |           |
| externalJurisdictionCode     | String (0-20)             |                                   |           |
| StreetAddress1               | String (1-100)            |                                   |           |
| StreetAddress2               | String (1-100)            |                                   |           |
| City                         | String (1-60)             |                                   |           |
| MainDivision                 | String (1-60)             |                                   |           |
| SubDivision                  | String (1-60)             |                                   |           |
| PostalCode                   | String (1-20)             |                                   |           |
| Country                      | String (1-60)             |                                   |           |
| CurrencyConversion           | Decimal                   |                                   |           |
| isoCurrencyName              | String                    |                                   |           |
| isoCurrencyCodeAlpha         | String (3)                |                                   |           |
| isoCurrencyCodeNum           | Positive Integer (1-999)  |                                   |           |
| TaxRegistration              |                           | VendorVAT Regis-<br>tration       |           |
| isoCountryCode               | String (2-3)              | Vendor.Coun-<br>tryCode           | Alpha 3   |
| mainDivision                 | String (1-60)             |                                   |           |
| hasPhysicalPresenceIndicator | Boolean                   |                                   |           |
| impositionType               | String (0-60)             |                                   |           |
| TaxRegistrationNumber        | String (0-40)             | Vendor.VATRegis-<br>trationNumber | Alpha 12  |
| NexusOverride                |                           |                                   |           |
| locationRole                 | TaxingLocationCode        |                                   |           |

| Vertex                       |                       | Infor         |           |
|------------------------------|-----------------------|---------------|-----------|
| Element/Attribute            | Data Type             | Element Value | Data Type |
| country                      | Boolean               |               |           |
| mainDivision                 | Boolean               |               |           |
| subDivision                  | Boolean               |               |           |
| city                         | Boolean               |               |           |
| district                     | Boolean               |               |           |
| PhysicalLocation             |                       |               |           |
| taxAreaId                    | Integer (0-999999999) |               |           |
| StreetAddress1               | String (1-100)        |               |           |
| StreetAddress2               | String (1-100)        |               |           |
| City                         | String (1-60)         |               |           |
| MainDivision                 | String (1-60)         |               |           |
| SubDivision                  | String (1-60)         |               |           |
| PostalCode                   | String (1-20)         |               |           |
| Country                      | String (1-60)         |               |           |
| TaxOverride                  |                       |               |           |
| overrideType                 | TaxOverrideCode       |               |           |
| overrideReasonCode           | String (1-4)          |               |           |
| ImpositionToProcess          |                       |               |           |
| impositionType               | String (0-60)         |               |           |
| JurisdictionOverride         |                       |               |           |
| jurisdictionLevel            | JurisdictionLevelCode |               |           |
| impositionType               | String (0-60)         |               |           |
| DeductionOverride            |                       |               |           |
| ExemptOverride               |                       |               |           |
| overrideExemptReasonCode     | String (1-4)          |               |           |
| NonTaxableOverride           |                       |               |           |
| overrideNonTaxableReasonCode | String (1-4)          |               |           |
| RateOverride                 | Decimal               |               |           |
| SitusOverride                |                       |               |           |

| Vertex                 |                          | Infor                      |           |
|------------------------|--------------------------|----------------------------|-----------|
| Element/Attribute      | Data Type                | Element Value              | Data Type |
| taxingLocation         | TaxingLocationCode       |                            |           |
| ChargedTax             | Decimal                  |                            |           |
| LineItem               |                          |                            |           |
| lineItemNumber         | Integer                  | LineNumber (defaults to 1) | Num 6     |
| taxDate                | Date (yyyy-mm-dd)        |                            |           |
| isMulticomponent       | Boolean                  |                            |           |
| locationCode           | String (1-20)            |                            |           |
| deliveryTerm           | DeliveryTermCode         | ShipTerm                   | Alpha 3   |
| postingDate            | Date (yyyy-mm-dd)        |                            |           |
| costCenter             | String (1-40)            |                            |           |
| departmentCode         | String (1-40)            |                            |           |
| generalLedgerAccount   | String (1-40)            |                            |           |
| materialCode           | String (1-40)            |                            |           |
| projectNumber          | String (1-40)            |                            |           |
| usage                  | String (1-40)            | TaxUsageCode               | Alpha 10  |
| usageClass             | String (1-40)            |                            |           |
| vendorSKU              | String (1-40)            |                            |           |
| countryOfOriginISOCODE | String (0-3)             |                            |           |
| modeOfTransport        | Positive Integer (1-99)  |                            |           |
| natureOfTransaction    | Positive Integer (1-999) |                            |           |
| intrastatCommodityCode | String (0-unlimited)     |                            |           |
| netMassKilograms       | Integer                  |                            |           |
| lineItemId             | String (1-40)            | defaults to LineNumber     | Num 6     |
| taxIncludedIndicator   | Boolean                  | TaxIncludedIndicator       | Boolean   |
| transactionType        | ProcurementTransaction   |                            |           |
| simplificationCode     | SimplificationCode       |                            |           |
| recoverableDate        | Date (yyyy-mm-dd)        |                            |           |

| Vertex                                  |                           | Infor         |           |
|-----------------------------------------|---------------------------|---------------|-----------|
| Element/Attribute                       | Data Type                 | Element Value | Data Type |
| blockingOverridePercent                 | Decimal                   |               |           |
| partialExemptRecoverableOverridePercent | Decimal                   |               |           |
| titleTransfer                           | PointOfTitleTransferCode  |               |           |
| chainTransactionPhase                   | ChainTransactionPhaseCode |               |           |
| exportProcedure                         | String (1-20)             |               |           |
| Buyer                                   |                           |               |           |
| isTaxExempt                             | Boolean                   |               |           |
| exemptionReasonCode                     | String (1-4)              |               |           |
| Company                                 | String (0-40)             |               |           |
| Division                                | String (0-40)             |               |           |
| Department                              | String (0-40)             |               |           |
| Destination                             |                           |               |           |
| taxAreaId                               | Integer (0-999999999)     |               |           |
| locationCustomsStatus                   | LocationCustomsStatusCode |               |           |
| locationCode                            | String (0-20)             |               |           |
| externalJurisdictionCode                | String (0-20)             |               |           |
| StreetAddress1                          | String (1-100)            |               |           |
| StreetAddress2                          | String (1-100)            |               |           |
| City                                    | String (1-60)             |               |           |
| MainDivision                            | String (1-60)             |               |           |
| SubDivision                             | String (1-60)             |               |           |
| PostalCode                              | String (1-20)             |               |           |
| Country                                 | String (1-60)             |               |           |
| CurrencyConversion                      | Decimal                   |               |           |
| isoCurrencyName                         | String                    |               |           |
| isoCurrencyCodeAlpha                    | String (3)                |               |           |
| isoCurrencyCodeNum                      | Positive Integer (1-999)  |               |           |
| AdministrativeDestination               |                           |               |           |

| Vertex                       |                           | Infor         |           |
|------------------------------|---------------------------|---------------|-----------|
| Element/Attribute            | Data Type                 | Element Value | Data Type |
| taxAreaId                    | Integer (0-999999999)     |               |           |
| locationCustomsStatus        | LocationCustomsStatusCode |               |           |
| locationCode                 | String (0-20)             |               |           |
| externalJurisdictionCode     | String (0-20)             |               |           |
| StreetAddress1               | String (1-100)            |               |           |
| StreetAddress2               | String (1-100)            |               |           |
| City                         | String (1-60)             |               |           |
| MainDivision                 | String (1-60)             |               |           |
| SubDivision                  | String (1-60)             |               |           |
| PostalCode                   | String (1-20)             |               |           |
| Country                      | String (1-60)             |               |           |
| CurrencyConversion           | Decimal                   |               |           |
| isoCurrencyName              | String                    |               |           |
| isoCurrencyCodeAlpha         | String (3)                |               |           |
| isoCurrencyCodeNum           | Positive Integer (1-999)  |               |           |
| ExemptionCertificate         | String                    |               |           |
| exemptionCertificateNumber   | String (1-30)             |               |           |
| TaxRegistration              |                           |               |           |
| isoCountryCode               | String (2-3)              |               |           |
| mainDivision                 | String (1-60)             |               |           |
| hasPhysicalPresenceIndicator | Boolean                   |               |           |
| impositionType               | String (0-60)             |               |           |
| TaxRegistrationNumber        | String (0-40)             |               |           |
| NexusOverride                |                           |               |           |
| locationRole                 | TaxingLocationCode        |               |           |
| country                      | Boolean                   |               |           |
| mainDivision                 | Boolean                   |               |           |
| subDivision                  | Boolean                   |               |           |
| city                         | Boolean                   |               |           |

| Vertex                   |                           | Infor         |           |
|--------------------------|---------------------------|---------------|-----------|
| Element/Attribute        | Data Type                 | Element Value | Data Type |
| district                 | Boolean                   |               |           |
| PhysicalLocation         |                           |               |           |
| taxAreaId                | Integer (0-999999999)     |               |           |
| StreetAddress1           | String (1-100)            |               |           |
| StreetAddress2           | String (1-100)            |               |           |
| City                     | String (1-60)             |               |           |
| MainDivision             | String (1-60)             |               |           |
| SubDivision              | String (1-60)             |               |           |
| PostalCode               | String (1-20)             |               |           |
| Country                  | String (1-60)             |               |           |
| Vendor                   |                           |               |           |
| VendorCode               | String (0-40)             |               |           |
| classCode                | String (1-40)             |               |           |
| PhysicalOrigin           |                           |               |           |
| taxAreaId                | Integer (0-999999999)     |               |           |
| locationCustomsStatus    | LocationCustomsStatusCode |               |           |
| locationCode             | String (0-20)             |               |           |
| externalJurisdictionCode | String (0-20)             |               |           |
| StreetAddress1           | String (1-100)            |               |           |
| StreetAddress2           | String (1-100)            |               |           |
| City                     | String (1-60)             |               |           |
| MainDivision             | String (1-60)             |               |           |
| SubDivision              | String (1-60)             |               |           |
| PostalCode               | String (1-20)             |               |           |
| Country                  | String (1-60)             |               |           |
| CurrencyConversion       | Decimal                   |               |           |
| isoCurrencyName          | String                    |               |           |
| isoCurrencyCodeAlpha     | String (3)                |               |           |
| isoCurrencyCodeNum       | Positive Integer (1-999)  |               |           |

| Vertex                       |                           | Infor         |           |
|------------------------------|---------------------------|---------------|-----------|
| Element/Attribute            | Data Type                 | Element Value | Data Type |
| AdministrativeOrigin         |                           |               |           |
| taxAreaId                    | Integer (0-999999999)     |               |           |
| locationCustomsStatus        | LocationCustomsStatusCode |               |           |
| locationCode                 | String (0-20)             |               |           |
| externalJurisdictionCode     | String (0-20)             |               |           |
| StreetAddress1               | String (1-100)            |               |           |
| StreetAddress2               | String (1-100)            |               |           |
| City                         | String (1-60)             |               |           |
| MainDivision                 | String (1-60)             |               |           |
| SubDivision                  | String (1-60)             |               |           |
| PostalCode                   | String (1-20)             |               |           |
| Country                      | String (1-60)             |               |           |
| CurrencyConversion           | Decimal                   |               |           |
| isoCurrencyName              | String                    |               |           |
| isoCurrencyCodeAlpha         | String (3)                |               |           |
| isoCurrencyCodeNum           | Positive Integer (1-999)  |               |           |
| TaxRegistration              |                           |               |           |
| isoCountryCode               | String (2-3)              |               |           |
| mainDivision                 | String (1-60)             |               |           |
| hasPhysicalPresenceIndicator | Boolean                   |               |           |
| impositionType               | String (0-60)             |               |           |
| TaxRegistrationNumber        | String (0-40)             |               |           |
| NexusOverride                |                           |               |           |
| locationRole                 | TaxingLocationCode        |               |           |
| country                      | Boolean                   |               |           |
| mainDivision                 | Boolean                   |               |           |
| subDivision                  | Boolean                   |               |           |
| city                         | Boolean                   |               |           |
| district                     | Boolean                   |               |           |

| Vertex                       |                       | Infor              |           |
|------------------------------|-----------------------|--------------------|-----------|
| Element/Attribute            | Data Type             | Element Value      | Data Type |
| PhysicalLocation             |                       |                    |           |
| taxAreaId                    | Integer (0-999999999) |                    |           |
| StreetAddress1               | String (1-100)        |                    |           |
| StreetAddress2               | String (1-100)        |                    |           |
| City                         | String (1-60)         |                    |           |
| MainDivision                 | String (1-60)         |                    |           |
| SubDivision                  | String (1-60)         |                    |           |
| PostalCode                   | String (1-20)         |                    |           |
| Country                      | String (1-60)         |                    |           |
| TaxOverride                  |                       |                    |           |
| overrideType                 | TaxOverrideCode       |                    |           |
| overrideReasonCode           | String (1-4)          |                    |           |
| ImpositionToProcess          |                       |                    |           |
| impositionType               | String (0-60)         |                    |           |
| JurisdictionOverride         |                       |                    |           |
| jurisdictionLevel            | JurisdictionLevelCode |                    |           |
| impositionType               | String (0-60)         |                    |           |
| DeductionOverride            |                       |                    |           |
| ExemptOverride               |                       |                    |           |
| overrideExemptReasonCode     | String (1-4)          |                    |           |
| NonTaxableOverride           |                       |                    |           |
| overrideNonTaxableReasonCode | String (1-4)          |                    |           |
| RateOverride                 | Decimal               |                    |           |
| SitusOverride                |                       |                    |           |
| taxingLocation               | TaxingLocationCode    |                    |           |
| ChargedTax                   | Decimal               |                    |           |
| Purchase                     | String (0-40)         | ProductTaxCategory | Alpha 15  |
| purchaseClass                | String (0-40)         | ProductClass       | Alpha 40  |

| Vertex               |                          | Infor         |                 |
|----------------------|--------------------------|---------------|-----------------|
| Element/Attribute    | Data Type                | Element Value | Data Type       |
| CommodityCode        | String (0-40)            |               |                 |
| commodityCodeType    | String (1-60)            |               |                 |
| Quantity             | Decimal                  | Quantity      | Decimal<br>13.4 |
| unitOfMeasure        | String (1-3)             |               |                 |
| Weight               | Decimal                  |               |                 |
| unitOfMeasure        | String (1-3)             |               |                 |
| Volume               | Decimal                  |               |                 |
| unitOfMeasure        | String (1-3)             |               |                 |
| SupplementaryUnit    | Decimal                  |               |                 |
| unitType             | String (0-20)            |               |                 |
| StatisticalValue     | Decimal                  |               |                 |
| isoCurrencyName      | String                   |               |                 |
| isoCurrencyCodeAlpha | String (3)               |               |                 |
| isoCurrencyCodeNum   | Positive Integer (1-999) |               |                 |
| Freight              | Decimal                  | FreightAmount | Decimal<br>18.2 |
| UnitPrice            | Decimal                  | TaxableAmount | Decimal<br>18.2 |
| ExtendedPrice        | Decimal                  | TaxableAmount | Decimal<br>18.2 |
| LandedCost           | Decimal                  |               |                 |
| AmountBilledToDate   | Decimal                  |               |                 |
| FlexibleFields       |                          |               |                 |
| FlexibleCodeField    | String (1-40)            |               |                 |
| fieldId              | Integer (1-25)           |               |                 |
| FlexibleNumericField | Decimal                  |               |                 |
| fieldId              | Integer (1-10)           |               |                 |
| FlexibleDateField    | Date (yyyy-mm-dd)        |               |                 |
| fieldId              | Integer (1-5)            |               |                 |
| ReturnsFields        |                          |               |                 |

| Vertex                   |                   | Infor         |           |
|--------------------------|-------------------|---------------|-----------|
| Element/Attribute        | Data Type         | Element Value | Data Type |
| ReturnsCodeField         | String            |               |           |
| name                     | String            |               |           |
| ReturnsNumericField      | Decimal           |               |           |
| name                     | String            |               |           |
| ReturnsDateField         | Date (yyyy-mm-dd) |               |           |
| name                     | String            |               |           |
| ReturnsIndicatorField    | Boolean           |               |           |
| name                     | String            |               |           |
| LineItem                 |                   |               |           |
| ApplicationData          |                   |               |           |
| Sender                   | String            |               |           |
| MessageLogging           |                   |               |           |
| returnLogEntries         | Boolean           |               |           |
| OverrideLoggingThreshold |                   |               |           |
| thresholdScope           | String            |               |           |
| LogEntry                 |                   |               |           |
| logLevel                 | LogLevel          |               |           |
| instanceId               | String            |               |           |
| threadId                 | String            |               |           |
| className                | String            |               |           |
| Message                  | String            |               |           |
| Exception                | String            |               |           |
| ResponseTimeMS           | Decimal           |               |           |

## Appendix E: Purchase order request mapping

The purchase order request is used to estimate the tax on intended purchases from a buyer. The intended purchase of goods or services, including tax, is used as input to generate the purchase order. Goods or services is used to dictate the taxability of the purchase.

| Vertex                            |                   | Infor                         |                 |
|-----------------------------------|-------------------|-------------------------------|-----------------|
| Element/Attribute                 | Data Type         | Element Value                 | Data Type       |
| Login                             |                   |                               |                 |
| UserName                          | String (1-64)     |                               |                 |
| Password                          | String (1-64)     |                               |                 |
| TrustedId                         | String (6-16)     | VertexConfigVersion.TrustedId | Alpha 16        |
| PurchaseOrderRequest              |                   |                               |                 |
| documentNumber                    | String (1-50)     | InvoiceNumber, PO Number      | Alpha 22, Num 9 |
| documentType                      | String (1-20)     |                               |                 |
| billingType                       | String (1-20)     |                               |                 |
| orderType                         | String (1-20)     |                               |                 |
| postingDate                       | Date (yyyy-mm-dd) |                               |                 |
| locationCode                      | String (1-20)     | Vendor/Vendor Location        | Alpha 4         |
| returnAssistedParametersIndicator | Boolean           |                               |                 |
| returnGeneratedLineItemsIndicator | Boolean           |                               |                 |
| deliveryTerm                      | DeliveryTermCode  | ShipTerm                      | Alpha 3         |
| documentDate                      | Date (yyyy-mm-dd) | InvoiceDate                   | Date            |
| transactionId                     | String (1-40)     |                               |                 |

| Vertex                      |                          | Infor                               |           |
|-----------------------------|--------------------------|-------------------------------------|-----------|
| Element/Attribute           | Data Type                | Element Value                       | Data Type |
| transactionType             | ProcurementTransaction   | Vertex Procurement Transaction type |           |
| simplificationCode          | SimplificationCode       |                                     |           |
| recoverableDate             | Date (yyyy-mm-dd)        |                                     |           |
| calculateVendorTaxIndicator | Boolean                  |                                     |           |
| roundAtLineLevel            | Boolean                  |                                     |           |
| paymentDate                 | Date (yyyy-mm-dd)        |                                     |           |
| documentSequenceId          | String (0-60)            |                                     |           |
| Currency                    |                          | Currency                            | Alpha 5   |
| isoCurrencyName             | String                   |                                     |           |
| isoCurrencyCodeAlpha        | String (3)               | CompanyCurrency.ISOCode             | Alpha 3   |
| isoCurrencyCodeNum          | Positive Integer (1-999) | CompanyCurrency.ISOCodeNumber       | Num 3     |
| OriginalCurrency            |                          |                                     |           |
| isoCurrencyName             | String                   |                                     |           |
| isoCurrencyCodeAlpha        | String (3)               |                                     |           |
| isoCurrencyCodeNum          | Positive Integer (1-999) |                                     |           |
| Buyer                       |                          | Company                             |           |
| isTaxExempt                 | Boolean                  |                                     |           |
| exemptionReasonCode         | String (1-4)             |                                     |           |
| Company                     | String (0-40)            | TaxEntity (Accounting Entity)       | Alpha 12  |
| Division                    | String (0-40)            |                                     |           |
| Department                  | String (0-40)            |                                     |           |
| Recipient                   |                          |                                     |           |
| RecipientCode               |                          |                                     |           |
| classCode                   | String (1-40)            |                                     |           |
| isBusinessIndicator         | Boolean                  |                                     |           |

| Vertex                       |                           | Infor                           |           |
|------------------------------|---------------------------|---------------------------------|-----------|
| Element/Attribute            | Data Type                 | Element Value                   | Data Type |
| TaxRegistration              |                           | From TaxEntity                  |           |
| isoCountryCode               | String (2-3)              | TaxEntity.VAT-Country           | Alpha 3   |
| mainDivision                 | String (1-60)             |                                 |           |
| hasPhysicalPresenceIndicator | Boolean                   |                                 |           |
| impositionType               | String (0-60)             |                                 |           |
| TaxRegistrationNumber        | String (0-40)             | TaxEntity.VATRegistrationNumber | Alpha 12  |
| NexusOverride                |                           |                                 |           |
| locationRole                 | TaxingLocationCode        |                                 |           |
| country                      | Boolean                   |                                 |           |
| mainDivision                 | Boolean                   |                                 |           |
| subDivision                  | Boolean                   |                                 |           |
| city                         | Boolean                   |                                 |           |
| district                     | Boolean                   |                                 |           |
| PhysicalLocation             |                           |                                 |           |
| taxAreaId                    | Integer (0-999999999)     |                                 |           |
| StreetAddress1               | String (1-100)            |                                 |           |
| StreetAddress2               | String (1-100)            |                                 |           |
| City                         | String (1-60)             |                                 |           |
| MainDivision                 | String (1-60)             |                                 |           |
| SubDivision                  | String (1-60)             |                                 |           |
| PostalCode                   | String (1-20)             |                                 |           |
| Country                      | String (1-60)             |                                 |           |
| Destination                  |                           | Company or Process LevelAddress |           |
| taxAreaId                    | Integer (0-999999999)     | Process Level TaxCode           |           |
| locationCustomsStatus        | LocationCustomsStatusCode |                                 |           |
| locationCode                 | String (0-20)             |                                 |           |
| externalJurisdictionCode     | String (0-20)             |                                 |           |

| Vertex                    |                           | Infor                                             |                           |
|---------------------------|---------------------------|---------------------------------------------------|---------------------------|
| Element/Attribute         | Data Type                 | Element Value                                     | Data Type                 |
| StreetAddress1            | String (1-100)            | DeliveryAd-<br>dress.Ad-<br>dressLine1            |                           |
| StreetAddress2            | String (1-100)            |                                                   |                           |
| City                      | String (1-60)             | PostalAddress.Mu-<br>nicipality                   |                           |
| MainDivision              | String (1-60)             | PostalAd-<br>dress.StateProvince                  |                           |
| SubDivision               | String (1-60)             | PostalAd-<br>dress.County                         |                           |
| PostalCode                | String (1-20)             | PostalAd-<br>dress.StateProvince                  |                           |
| Country                   | String (1-60)             | PostalAd-<br>dress.Country                        |                           |
| CurrencyConversion        | Decimal                   | CompanyBaseCur-<br>rency                          |                           |
| isoCurrencyName           | String                    | Company.Base-<br>CurrencyName                     |                           |
| isoCurrencyCodeAlpha      | String (3)                | Company.Base-<br>CurrencyCode.Al-<br>pha          |                           |
| isoCurrencyCodeNum        | Positive Integer (1-999)  | Company.Base-<br>CurrencyCode.Nu-<br>meric        |                           |
| AdministrativeDestination |                           | POAAddress                                        | Postal-<br>Ad-<br>dressV2 |
| taxAreaId                 | Integer (0-999999999)     | POATaxCode                                        | Alpha 15                  |
| locationCustomsStatus     | LocationCustomsStatusCode |                                                   |                           |
| locationCode              | String (0-20)             |                                                   |                           |
| externalJurisdictionCode  | String (0-20)             |                                                   |                           |
| StreetAddress1            | String (1-100)            | POAAddress.Deliv-<br>eryAddress.Ad-<br>dressLine1 |                           |
| StreetAddress2            | String (1-100)            |                                                   |                           |

| Vertex                       |                          | Infor                             |           |
|------------------------------|--------------------------|-----------------------------------|-----------|
| Element/Attribute            | Data Type                | Element Value                     | Data Type |
| City                         | String (1-60)            | POAAddress.Municipality           |           |
| MainDivision                 | String (1-60)            | POAAddress.StateProvince          |           |
| SubDivision                  | String (1 -60)           | POAAddress.County                 |           |
| PostalCode                   | String (1-20)            | POAAddress.PostalCode             |           |
| Country                      | String (1-60)            | POAAddress.CountryCode            |           |
| CurrencyConversion           | Decimal                  | BuyerAdminCurrencyRate            |           |
| isoCurrencyName              | String                   |                                   |           |
| isoCurrencyCodeAlpha         | String (3)               | BuyerAdminCurrency.ISOCode        |           |
| isoCurrencyCodeNum           | Positive Integer (1-999) | BuyerAdminCurrency.ISOCode-Number |           |
| ExemptionCertificate         | String                   |                                   |           |
| exemptionCertificateNumber   | String (1-30)            |                                   |           |
| TaxRegistration              |                          | TaxEntity. VAT Registration       |           |
| isoCountryCode               | String (2-3)             | TaxEntity.CountryCode             | Alpha 3   |
| mainDivision                 | String (1-60)            |                                   |           |
| hasPhysicalPresenceIndicator | Boolean                  |                                   |           |
| impositionType               | String (0-60)            |                                   |           |
| TaxRegistrationNumbe         | String (0-40)            | TaxEntity.VATRegistration Number  | Alpha 12  |
| NexusOverride                |                          |                                   |           |
| locationRole                 | TaxingLocationCode       |                                   |           |
| country                      | Boolean                  |                                   |           |
| mainDivision                 | Boolean                  |                                   |           |

| Vertex                   |                           | Infor                           |                |
|--------------------------|---------------------------|---------------------------------|----------------|
| Element/Attribute        | Data Type                 | Element Value                   | Data Type      |
| subDivision              | Boolean                   |                                 |                |
| city                     | Boolean                   |                                 |                |
| district                 | Boolean                   |                                 |                |
| PhysicalLocation         |                           |                                 |                |
| taxAreaId                | Integer (0-999999999)     |                                 |                |
| StreetAddress1           | String (1-100)            |                                 |                |
| StreetAddress2           | String (1-100)            |                                 |                |
| City                     | String (1-60)             |                                 |                |
| MainDivision             | String (1-60)             |                                 |                |
| SubDivision              | String (1-60)             |                                 |                |
| PostalCode               | String (1-20)             |                                 |                |
| Country                  | String (1-60)             |                                 |                |
| Vendor                   |                           |                                 |                |
| VendorCode               | String (0-40)             | Vendor                          | Numeric size 9 |
| classCode                | String (1-40)             |                                 |                |
| PhysicalOrigin           |                           | Company or Process LevelAddress |                |
| taxAreaId                | Integer (0-999999999)     | Vendor TaxCode                  |                |
| locationCustomsStatus    | LocationCustomsStatusCode |                                 |                |
| locationCode             | String (0-20)             | Vendor Location                 |                |
| externalJurisdictionCode | String (0-20)             |                                 |                |
| StreetAddress1           | String (1-100)            | DeliveryAddress.AddressLine1    |                |
| StreetAddress2           | String (1-100)            |                                 |                |
| City                     | String (1-60)             | PostalAddress.Municipality      |                |
| MainDivision             | String (1-60)             | PostalAddress.StateProvince     |                |
| SubDivision              | String (1-60)             | PostalAddress.County            |                |

| Vertex                   |                           | Infor                            |                          |
|--------------------------|---------------------------|----------------------------------|--------------------------|
| Element/Attribute        | Data Type                 | Element Value                    | Data Type                |
| PostalCode               | String (1-20)             | PostalAd-<br>dress.PostalCode    |                          |
| Country                  | String (1-60)             | PostalAd-<br>dress.Country       |                          |
| CurrencyConversion       | Decimal                   | TransactionCur-<br>rency         | Decimal<br>size<br>31.15 |
| isoCurrencyName          | String                    |                                  |                          |
| isoCurrencyCodeAlpha     | String (3)                | TransactionCur-<br>rency.ISOCode |                          |
| isoCurrencyCodeNum       | Positive Integer (1-999)  |                                  |                          |
| AdministrativeOrigin     |                           |                                  |                          |
| taxAreaId                | Integer (0-999999999)     |                                  |                          |
| locationCustomsStatus    | LocationCustomsStatusCode |                                  |                          |
| locationCode             | String (0-20)             |                                  |                          |
| externalJurisdictionCode | String (0-20)             |                                  |                          |
| StreetAddress1           | String (1-100)            |                                  |                          |
| StreetAddress2           | String (1-100)            |                                  |                          |
| City                     | String (1-60)             |                                  |                          |
| MainDivision             | String (1-60)             |                                  |                          |
| SubDivision              | String (1-60)             |                                  |                          |
| PostalCode               | String (1-20)             |                                  |                          |
| Country                  | String (1-60)             |                                  |                          |
| CurrencyConversion       | Decimal                   |                                  |                          |
| isoCurrencyName          | String                    |                                  |                          |
| isoCurrencyCodeAlpha     | String (3)                |                                  |                          |
| isoCurrencyCodeNum       | Positive Integer (1-999)  |                                  |                          |
| TaxRegistration          |                           | Vendor VAT Regis-<br>tration     |                          |
| isoCountryCode           | String (2-3)              | Vendor.Coun-<br>tryCode          | Alpha 3                  |
| mainDivision             | String (1-60)             |                                  |                          |

| Vertex                       |                       | Infor                        |           |
|------------------------------|-----------------------|------------------------------|-----------|
| Element/Attribute            | Data Type             | Element Value                | Data Type |
| hasPhysicalPresenceIndicator | Boolean               |                              |           |
| impositionType               | String (0-60)         |                              |           |
| TaxRegistrationNumber        | String (0-40)         | Vendor.VATRegistrationNumber | Alpha 12  |
| NexusOverride                |                       | not used                     |           |
| locationRole                 | TaxingLocationCode    | not used                     |           |
| country                      | Boolean               |                              |           |
| mainDivision                 | Boolean               |                              |           |
| subDivision                  | Boolean               |                              |           |
| city                         | Boolean               |                              |           |
| district                     | Boolean               |                              |           |
| PhysicalLocation             |                       |                              |           |
| taxAreaId                    | Integer (0-999999999) |                              |           |
| StreetAddress1               | String (1-100)        |                              |           |
| StreetAddress2               | String (1-100)        |                              |           |
| City                         | String (1-60)         |                              |           |
| MainDivision                 | String (1-60)         |                              |           |
| SubDivision                  | String (1-60)         |                              |           |
| PostalCode                   | String (1-20)         |                              |           |
| Country                      | String (1-60)         |                              |           |
| TaxOverride                  |                       |                              |           |
| overrideType                 | TaxOverrideCode       |                              |           |
| overrideReasonCode           | String (1-4)          |                              |           |
| ImpositionToProcess          |                       |                              |           |
| impositionType               | String (0-60)         |                              |           |
| JurisdictionOverride         |                       |                              |           |
| jurisdictionLevel            | JurisdictionLevelCode |                              |           |
| impositionType               | String (0-60)         |                              |           |
| DeductionOverride            |                       |                              |           |

| Vertex                       |                          | Infor                      |           |
|------------------------------|--------------------------|----------------------------|-----------|
| Element/Attribute            | Data Type                | Element Value              | Data Type |
| ExemptOverride               |                          |                            |           |
| overrideExemptReasonCode     | String (1-4)             |                            |           |
| NonTaxableOverride           |                          |                            |           |
| overrideNonTaxableReasonCode | String (1-4)             |                            |           |
| RateOverride                 | Decimal                  |                            |           |
| SitusOverride                |                          |                            |           |
| taxingLocation               | TaxingLocationCode       |                            |           |
| LineItem                     |                          |                            |           |
| lineItemNumber               | Integer                  | LineNumber (defaults to 1) | Num 6     |
| taxDate                      | Date (yyyy-mm-dd)        |                            |           |
| isMulticomponent             | Boolean                  |                            |           |
| locationCode                 | String (1-20)            |                            |           |
| deliveryTerm                 | DeliveryTermCode         | ShipTerm                   | Alpha 3   |
| postingDate                  | Date (yyyy-mm-dd)        |                            |           |
| costCenter                   | String (1-40)            |                            |           |
| departmentCode               | String (1-40)            |                            |           |
| generalLedgerAccount         | String (1-40)            |                            |           |
| materialCode                 | String (1-40)            |                            |           |
| projectNumber                | String (1-40)            |                            |           |
| usage                        | String (1-40)            | TaxUsageCode               | Alpha 10  |
| usageClass                   | String (1-40)            |                            |           |
| vendorSKU                    | String (1-40)            |                            |           |
| countryOfOriginISOCODE       | String (0-3)             |                            |           |
| modeOfTransport              | Positive Integer (1-99)  |                            |           |
| natureOfTransaction          | Positive Integer (1-999) |                            |           |
| intrastatCommodityCode       | String (0-unlimited)     |                            |           |
| netMassKilograms             | Integer                  |                            |           |
| lineItemId                   | String (1-40)            | defaults to LineNumber     | Num 6     |

| Vertex                                  |                           | Infor                |           |
|-----------------------------------------|---------------------------|----------------------|-----------|
| Element/Attribute                       | Data Type                 | Element Value        | Data Type |
| taxIncludedIndicator                    | Boolean                   | TaxIncludedIndicator | Boolean   |
| transactionType                         | ProcurementTransaction    |                      |           |
| simplificationCode                      | SimplificationCode        |                      |           |
| recoverableDate                         | Date (yyyy-mm-dd)         |                      |           |
| blockingOverridePercent                 | Decimal                   |                      |           |
| partialExemptRecoverableOverridePercent | Decimal                   |                      |           |
| titleTransfer                           | PointOfTitleTransferCode  |                      |           |
| chainTransactionPhase                   | ChainTransactionPhaseCode |                      |           |
| exportProcedure                         | String (1-20)             |                      |           |
| Buyer                                   |                           |                      |           |
| isTaxExempt                             | Boolean                   |                      |           |
| exemptionReasonCode                     | String (1-4)              |                      |           |
| Company                                 | String (0-40)             |                      |           |
| Division                                | String (0-40)             |                      |           |
| Department                              | String (0-40)             |                      |           |
| Recipient                               |                           |                      |           |
| RecipientCode                           |                           |                      |           |
| classCode                               | String (1-40)             |                      |           |
| isBusinessIndicator                     | Boolean                   |                      |           |
| TaxRegistration                         |                           |                      |           |
| isoCountryCode                          | String (2-3)              |                      |           |
| mainDivision                            | String (1-60)             |                      |           |
| hasPhysicalPresenceIndicator            | Boolean                   |                      |           |
| impositionType                          | String (0-60)             |                      |           |
| TaxRegistrationNumber                   | String (0-40)             |                      |           |
| NexusOverride                           |                           |                      |           |
| locationRole                            | TaxingLocationCode        |                      |           |
| country                                 | Boolean                   |                      |           |

| Vertex                   |                           | Infor         |           |
|--------------------------|---------------------------|---------------|-----------|
| Element/Attribute        | Data Type                 | Element Value | Data Type |
| mainDivision             | Boolean                   |               |           |
| subDivision              | Boolean                   |               |           |
| city                     | Boolean                   |               |           |
| district                 | Boolean                   |               |           |
| PhysicalLocation         |                           |               |           |
| taxAreaId                | Integer (0-999999999)     |               |           |
| StreetAddress1           | String (1-100)            |               |           |
| StreetAddress2           | String (1-100)            |               |           |
| City                     | String (1-60)             |               |           |
| MainDivision             | String (1-60)             |               |           |
| SubDivision              | String (1-60)             |               |           |
| PostalCode               | String (1-20)             |               |           |
| Country                  | String (1-60)             |               |           |
| Destination              |                           |               |           |
| taxAreaId                | Integer (0-999999999)     |               |           |
| locationCustomsStatus    | LocationCustomsStatusCode |               |           |
| locationCode             | String (0-20)             |               |           |
| externalJurisdictionCode | String (0-20)             |               |           |
| StreetAddress1           | String (1-100)            |               |           |
| StreetAddress2           | String (1-100)            |               |           |
| City                     | String (1-60)             |               |           |
| MainDivision             | String (1-60)             |               |           |
| SubDivision              | String (1-60)             |               |           |
| PostalCode               | String (1-20)             |               |           |
| Country                  | String (1-60)             |               |           |
| CurrencyConversion       | Decimal                   |               |           |
| isoCurrencyName          | String                    |               |           |
| isoCurrencyCodeAlpha     | String (3)                |               |           |
| isoCurrencyCodeNum       | Positive Integer (1-999)  |               |           |

| Vertex                       |                           | Infor         |           |
|------------------------------|---------------------------|---------------|-----------|
| Element/Attribute            | Data Type                 | Element Value | Data Type |
| AdministrativeDestination    |                           |               |           |
| taxAreaId                    | Integer (0 - 999999999)   |               |           |
| locationCustomsStatus        | LocationCustomsStatusCode |               |           |
| locationCode                 | String (0-20)             |               |           |
| externalJurisdictionCode     | String (0-20)             |               |           |
| StreetAddress1               | String (1-100)            |               |           |
| StreetAddress2               | String (1-100)            |               |           |
| City                         | String (1-60)             |               |           |
| MainDivision                 | String (1-60)             |               |           |
| SubDivision                  | String (1-60)             |               |           |
| PostalCode                   | String (1-20)             |               |           |
| Country                      | String (1-60)             |               |           |
| CurrencyConversion           | Decimal                   |               |           |
| isoCurrencyName              | String                    |               |           |
| isoCurrencyCodeAlpha         | String (3)                |               |           |
| isoCurrencyCodeNum           | Positive Integer (1-999)  |               |           |
| ExemptionCertificate         | String                    |               |           |
| exemptionCertificateNumber   | String (1-30)             |               |           |
| TaxRegistration              |                           |               |           |
| isoCountryCode               | String (2-3)              |               |           |
| mainDivision                 | String (1-60)             |               |           |
| hasPhysicalPresenceIndicator | Boolean                   |               |           |
| impositionType               | String (0-60)             |               |           |
| TaxRegistrationNumber        | String (0-40)             |               |           |
| NexusOverride                |                           |               |           |
| locationRole                 | TaxingLocationCode        |               |           |
| country                      | Boolean                   |               |           |
| mainDivision                 | Boolean                   |               |           |
| subDivision                  | Boolean                   |               |           |

| Vertex                   |                           | Infor         |           |
|--------------------------|---------------------------|---------------|-----------|
| Element/Attribute        | Data Type                 | Element Value | Data Type |
| city                     | Boolean                   |               |           |
| district                 | Boolean                   |               |           |
| PhysicalLocation         |                           |               |           |
| taxAreaId                | Integer (0-999999999)     |               |           |
| StreetAddress1           | String (1-100)            |               |           |
| StreetAddress2           | String (1-100)            |               |           |
| City                     | String (1-60)             |               |           |
| MainDivision             | String (1-60)             |               |           |
| SubDivision              | String (1-60)             |               |           |
| PostalCode               | String (1-20)             |               |           |
| Country                  | String (1-60)             |               |           |
| Vendor                   |                           |               |           |
| VendorCode               | String (0-40)             |               |           |
| classCode                | String (1-40)             |               |           |
| PhysicalOrigin           |                           |               |           |
| taxAreaId                | Integer (0-999999999)     |               |           |
| locationCustomsStatus    | LocationCustomsStatusCode |               |           |
| locationCode             | String (0-20)             |               |           |
| externalJurisdictionCode | String (0-20)             |               |           |
| StreetAddress1           | String (1-100)            |               |           |
| StreetAddress2           | String (1-100)            |               |           |
| City                     | String (1-60)             |               |           |
| MainDivision             | String (1-60)             |               |           |
| SubDivision              | String (1-60)             |               |           |
| PostalCode               | String (1-20)             |               |           |
| Country                  | String (1-60)             |               |           |
| CurrencyConversion       | Decimal                   |               |           |
| isoCurrencyName          | String                    |               |           |
| isoCurrencyCodeAlpha     | String (3)                |               |           |

| Vertex                       |                           | Infor         |           |
|------------------------------|---------------------------|---------------|-----------|
| Element/Attribute            | Data Type                 | Element Value | Data Type |
| isoCurrencyCodeNum           | Positive Integer (1-999)  |               |           |
| AdministrativeOrigin         |                           |               |           |
| taxAreaId                    | Integer (0-999999999)     |               |           |
| locationCustomsStatus        | LocationCustomsStatusCode |               |           |
| locationCode                 | String (0-20)             |               |           |
| externalJurisdictionCode     | String (0-20)             |               |           |
| StreetAddress1               | String (1-100)            |               |           |
| StreetAddress2               | String (1-100)            |               |           |
| City                         | String (1-60)             |               |           |
| MainDivision                 | String (1-60)             |               |           |
| SubDivision                  | String (1-60)             |               |           |
| PostalCode                   | String (1-20)             |               |           |
| Country                      | String (1-60)             |               |           |
| CurrencyConversion           | Decimal                   |               |           |
| isoCurrencyName              | String                    |               |           |
| isoCurrencyCodeAlpha         | String (3)                |               |           |
| isoCurrencyCodeNum           | Positive Integer (1-999)  |               |           |
| TaxRegistration              |                           |               |           |
| isoCountryCode               | String (2-3)              |               |           |
| mainDivision                 | String (1-60)             |               |           |
| hasPhysicalPresenceIndicator | Boolean                   |               |           |
| impositionType               | String (0-60)             |               |           |
| TaxRegistrationNumber        | String (0-40)             |               |           |
| NexusOverride                |                           |               |           |
| locationRole                 | TaxingLocationCode        |               |           |
| country                      | Boolean                   |               |           |
| mainDivision                 | Boolean                   |               |           |
| subDivision                  | Boolean                   |               |           |
| city                         | Boolean                   |               |           |

| Vertex                       |                       | Infor              |           |
|------------------------------|-----------------------|--------------------|-----------|
| Element/Attribute            | Data Type             | Element Value      | Data Type |
| district                     | Boolean               |                    |           |
| PhysicalLocation             |                       |                    |           |
| taxAreaId                    | Integer (0-999999999) |                    |           |
| StreetAddress1               | String (1-100)        |                    |           |
| StreetAddress2               | String (1-100)        |                    |           |
| City                         | String (1-60)         |                    |           |
| MainDivision                 | String (1-60)         |                    |           |
| SubDivision                  | String (1-60)         |                    |           |
| PostalCode                   | String (1-20)         |                    |           |
| Country                      | String (1-60)         |                    |           |
| TaxOverride                  |                       |                    |           |
| overrideType                 | TaxOverrideCode       |                    |           |
| overrideReasonCode           | String (1-4)          |                    |           |
| ImpositionToProcess          |                       |                    |           |
| impositionType               | String (0-60)         |                    |           |
| JurisdictionOverride         |                       |                    |           |
| jurisdictionLevel            | JurisdictionLevelCode |                    |           |
| impositionType               | String (0-60)         |                    |           |
| DeductionOverride            |                       |                    |           |
| ExemptOverride               |                       |                    |           |
| overrideExemptReasonCode     | String (1-4)          |                    |           |
| NonTaxableOverride           |                       |                    |           |
| overrideNonTaxableReasonCode | String (1-4)          |                    |           |
| RateOverride                 | Decimal               |                    |           |
| SitusOverride                |                       |                    |           |
| taxingLocation               | TaxingLocationCode    |                    |           |
| Purchase                     | String (0-40)         | ProductTaxCategory | Alpha 15  |
| purchaseClass                | String (0-40)         | ProductClass       | Alpha 40  |

| Vertex               |                          | Infor         |                 |
|----------------------|--------------------------|---------------|-----------------|
| Element/Attribute    | Data Type                | Element Value | Data Type       |
| CommodityCode        | String (0-40)            |               |                 |
| commodityCodeType    | String (1-60)            |               |                 |
| Quantity             | Decimal                  | Quantity      | Decimal<br>13.4 |
| unitOfMeasure        | String (1-3)             |               |                 |
| Weight               | Decimal                  |               |                 |
| unitOfMeasure        | String (1-3)             |               |                 |
| Volume               | Decimal                  |               |                 |
| unitOfMeasure        | String (1-3)             |               |                 |
| SupplementaryUnit    | Decimal                  |               |                 |
| unitType             | String (0-20)            |               |                 |
| StatisticalValue     | Decimal                  |               |                 |
| isoCurrencyName      | String                   |               |                 |
| isoCurrencyCodeAlpha | String (3)               |               |                 |
| isoCurrencyCodeNum   | Positive Integer (1-999) |               |                 |
| Freight              | Decimal                  | FreightAmount | Decimal<br>18.2 |
| UnitPrice            | Decimal                  | TaxableAmount | Decimal<br>18.2 |
| ExtendedPrice        | Decimal                  | TaxableAmount | Decimal<br>18.2 |
| LandedCost           | Decimal                  |               |                 |
| AmountBilledToDate   | Decimal                  |               |                 |
| FlexibleFields       |                          |               |                 |
| FlexibleCodeField    | String (1-40)            |               |                 |
| fieldId              | Integer (1-25)           |               |                 |
| FlexibleNumericField | Decimal                  |               |                 |
| fieldId              | Integer (1-10)           |               |                 |
| FlexibleDateField    | Date (yyyy-mm-dd)        |               |                 |
| fieldId              | Integer (1-5)            |               |                 |
| ReturnsFields        |                          |               |                 |

| Vertex                   |                   | Infor         |           |
|--------------------------|-------------------|---------------|-----------|
| Element/Attribute        | Data Type         | Element Value | Data Type |
| ReturnsCodeField         | String            |               |           |
| name                     | String            |               |           |
| ReturnsNumericField      | Decimal           |               |           |
| name                     | String            |               |           |
| ReturnsDateField         | Date (yyyy-mm-dd) |               |           |
| name                     | String            |               |           |
| ReturnsIndicatorField    | Boolean           |               |           |
| name                     | String            |               |           |
| LineItem                 |                   |               |           |
| ApplicationData          |                   |               |           |
| Sender                   | String            |               |           |
| MessageLogging           |                   |               |           |
| returnLogEntries         | Boolean           |               |           |
| OverrideLoggingThreshold |                   |               |           |
| thresholdScope           | String            |               |           |
| LogEntry                 |                   |               |           |
| logLevel                 | LogLevel          |               |           |
| instanceId               | String            |               |           |
| threadId                 | String            |               |           |
| className                | String            |               |           |
| Message                  | String            |               |           |
| Exception                | String            |               |           |
| ResponseTimeMS           | Decimal           |               |           |

## Appendix F: Accrual request mapping

The accrual request message is used to initiate a self-accrual calculations. This situation occurs when the buyer must remit tax on tangible personal property or services, whether they used or consumed. When tax due on the transaction has not been paid, an accrual request message is created.

| Vertex                            |                        | Infor                         |                |
|-----------------------------------|------------------------|-------------------------------|----------------|
| Element/Attribute                 | Data Type              | Element Value                 | Data Type      |
| Login                             |                        |                               |                |
| UserName                          | String (1-64)          | Used only for Verte Central   |                |
| Password                          | String (1-64)          | Used only for Verte Central   |                |
| TrustedId                         | String (6-16)          | VertexConfigVersion.TrustedId | Alpha 16       |
| AccrualRequest                    |                        |                               |                |
| documentNumber                    | String (1-50)          | InvoiceNumber                 | Alpha 22       |
| documentType                      | String (1-20)          |                               |                |
| billingType                       | String (1-20)          |                               |                |
| orderType                         | String (1-20)          |                               |                |
| postingDate                       | Date (yyyy-mm-dd)      |                               |                |
| locationCode                      | String (1-20)          | Vendor/Customer Location      | Alpha 4, Num 4 |
| returnAssistedParametersIndicator | Boolean                |                               |                |
| returnGeneratedLineItemsIndicator | Boolean                |                               |                |
| deliveryTerm                      | DeliveryTermCode       | ShipTerm                      | Alpha 3        |
| documentDate                      | Date (yyyy-mm-dd)      | InvoiceDate                   | Date           |
| transactionId                     | String (1-40)          |                               |                |
| transactionType                   | ProcurementTransaction | Vertex SalesTransaction type  |                |

| Vertex               |                          | Infor                           |           |
|----------------------|--------------------------|---------------------------------|-----------|
| Element/Attribute    | Data Type                | Element Value                   | Data Type |
| simplificationCode   | SimplificationCode       |                                 |           |
| recoverableDate      | Date (yyyy-mm-dd)        |                                 |           |
| postToJournal        | Boolean                  | PostToJournal flag              | Boolean   |
| roundAtLineLevel     | Boolean                  |                                 |           |
| paymentDate          | Date (yyyy-mm-dd)        |                                 |           |
| documentSequenceId   | String (0-60)            |                                 |           |
| Currency             |                          | Currency                        | Alpha 5   |
| isoCurrencyName      | String                   |                                 |           |
| isoCurrencyCodeAlpha | String (3)               | CompanyCurrency.ISOCode         | Alpha 3   |
| isoCurrencyCodeNum   | Positive Integer (1-999) | CompanyCurrency.ISOCodeNumber   | Num 3     |
| OriginalCurrency     |                          |                                 |           |
| isoCurrencyName      | String                   |                                 |           |
| isoCurrencyCodeAlpha | String (3)               |                                 |           |
| isoCurrencyCodeNum   | Positive Integer (1-999) |                                 |           |
| Buyer                |                          |                                 |           |
| isTaxExempt          | Boolean                  |                                 |           |
| exemptionReasonCode  | String (1-4)             |                                 |           |
| Company              | String (0-40)            | TaxEntity (Accounting Entity)   | Alpha 12  |
| Division             | String (0-40)            |                                 |           |
| Department           | String (0-40)            |                                 |           |
| Recipient            |                          | Company or Process LevelAddress |           |
| RecipientCode        |                          | Process Level Tax-Code          |           |
| classCode            | String (1-40)            |                                 |           |
| isBusinessIndicator  | Boolean                  |                                 |           |
| TaxRegistration      |                          |                                 |           |

| Vertex                       |                       | Infor                                  |           |
|------------------------------|-----------------------|----------------------------------------|-----------|
| Element/Attribute            | Data Type             | Element Value                          | Data Type |
| isoCountryCode               | String (2-3)          | DeliveryAd-<br>dress.Ad-<br>dressLine1 |           |
| mainDivision                 | String (1-60)         |                                        |           |
| hasPhysicalPresenceIndicator | Boolean               | PostalAddress.Mu-<br>nicipality        |           |
| impositionType               | String (0-60)         | PostalAd-<br>dress.StateProvince       |           |
| TaxRegistrationNumber        | String (0-40)         | PostalAd-<br>dress.County              |           |
| NexusOverride                |                       | PostalAd-<br>dress.StateProvince       |           |
| locationRole                 | TaxingLocationCode    | PostalAd-<br>dress.Country             |           |
| country                      | Boolean               | CompanyBaseCur-<br>rency               |           |
| mainDivision                 | Boolean               | Company.BaseCur-<br>rencyName          |           |
| subDivision                  | Boolean               | Company.BaseCur-<br>rencyCode.Alpha    |           |
| city                         | Boolean               |                                        |           |
| district                     | Boolean               |                                        |           |
| PhysicalLocation             |                       |                                        |           |
| taxAreaId                    | Integer (0-999999999) |                                        |           |
| StreetAddress1               | String (1-100)        |                                        |           |
| StreetAddress2               | String (1-100)        |                                        |           |
| City                         | String (1-60)         |                                        |           |
| MainDivision                 | String (1-60)         |                                        |           |
| SubDivision                  | String (1-60)         |                                        |           |
| PostalCode                   | String (1-20)         |                                        |           |
| Country                      | String (1-60)         |                                        |           |
| Destination                  |                       |                                        |           |
| taxAreaId                    | Integer (0-999999999) |                                        |           |

| Vertex                    |                           | Infor                                             |                       |
|---------------------------|---------------------------|---------------------------------------------------|-----------------------|
| Element/Attribute         | Data Type                 | Element Value                                     | Data Type             |
| locationCustomsStatus     | LocationCustomsStatusCode |                                                   |                       |
| locationCode              | String (0-20)             |                                                   |                       |
| externalJurisdictionCode  | String (0-20)             |                                                   |                       |
| StreetAddress1            | String (1-100)            |                                                   |                       |
| StreetAddress2            | String (1-100)            |                                                   |                       |
| City                      | String (1-60)             |                                                   |                       |
| MainDivision              | String (1-60)             |                                                   |                       |
| SubDivision               | String (1-60)             |                                                   |                       |
| PostalCode                | String (1-20)             |                                                   |                       |
| Country                   | String (1-60)             |                                                   |                       |
| CurrencyConversion        | Decimal                   |                                                   |                       |
| isoCurrencyName           | String                    |                                                   |                       |
| isoCurrencyCodeAlpha      | String (3)                |                                                   |                       |
| isoCurrencyCodeNum        | Positive Integer (1-999)  |                                                   |                       |
| AdministrativeDestination |                           | POAAddress                                        | Postal-Ad-<br>dressV2 |
| taxAreaId                 | Integer (0-999999999)     | POATaxCode                                        | Alpha 15              |
| locationCustomsStatus     | LocationCustomsStatusCode |                                                   |                       |
| locationCode              | String (0-20)             |                                                   |                       |
| externalJurisdictionCode  | String (0-20)             |                                                   |                       |
| StreetAddress1            | String (1-100)            | POAAddress.Deliv-<br>eryAddress.Ad-<br>dressLine1 |                       |
| StreetAddress2            | String (1-100)            |                                                   |                       |
| City                      | String (1-60)             | POAAddress.Munic-<br>ipality                      |                       |
| MainDivision              | String (1-60)             | POAAd-<br>dress.StateProvince                     |                       |
| SubDivision               | String (1-60)             | POAAddress.Coun-<br>ty                            |                       |

| Vertex                       |                          | Infor                             |           |
|------------------------------|--------------------------|-----------------------------------|-----------|
| Element/Attribute            | Data Type                | Element Value                     | Data Type |
| PostalCode                   | String (1-20)            | POAAddress.PostalCode             |           |
| Country                      | String (1-60)            | POAAddress.CountryCode            |           |
| CurrencyConversion           | Decimal                  | BuyerAdminCurrencyRate            |           |
| isoCurrencyName              | String                   |                                   |           |
| isoCurrencyCodeAlpha         | String (3)               | BuyerAdminCurrency.ISOCode        |           |
| isoCurrencyCodeNum           | Positive Integer (1-999) | BuyerAdminCurrency.ISOCode-Number |           |
| ExemptionCertificate         | String                   |                                   |           |
| exemptionCertificateNumber   | String (1-30)            |                                   |           |
| TaxRegistration              |                          | TaxEntity. VAT Registration       |           |
| isoCountryCode               | String (2-3)             | TaxEntity.CountryCode             | Alpha 3   |
| mainDivision                 | String (1-60)            |                                   |           |
| hasPhysicalPresenceIndicator | Boolean                  |                                   |           |
| impositionType               | String (0-60)            |                                   |           |
| TaxRegistrationNumber        | String (0-40)            | TaxEntity.VATRegistration Number  | Alpha 12  |
| NexusOverride                |                          |                                   |           |
| locationRole                 | TaxingLocationCode       |                                   |           |
| country                      | Boolean                  |                                   |           |
| mainDivision                 | Boolean                  |                                   |           |
| subDivision                  | Boolean                  |                                   |           |
| city                         | Boolean                  |                                   |           |
| district                     | Boolean                  |                                   |           |
| PhysicalLocation             |                          |                                   |           |
| taxAreaId                    | Integer (0-999999999)    |                                   |           |

| Vertex                   |                           | Infor                           |                |
|--------------------------|---------------------------|---------------------------------|----------------|
| Element/Attribute        | Data Type                 | Element Value                   | Data Type      |
| StreetAddress1           | String (1-100)            |                                 |                |
| StreetAddress2           | String (1-100)            |                                 |                |
| City                     | String (1-60)             |                                 |                |
| MainDivision             | String (1-60)             |                                 |                |
| SubDivision              | String (1-60)             |                                 |                |
| PostalCode               | String (1-20)             |                                 |                |
| Country                  | String (1-60)             |                                 |                |
| Vendor                   |                           |                                 |                |
| VendorCode               | String (0-40)             | Vendor                          | Numeric size 9 |
| classCode                | String (1-40)             |                                 |                |
| PhysicalOrigin           |                           | Company or Process LevelAddress |                |
| taxAreaId                | Integer (0-999999999)     | Vendor TaxCode                  |                |
| locationCustomsStatus    | LocationCustomsStatusCode |                                 |                |
| locationCode             | String (0-20)             | Vendor Location                 |                |
| externalJurisdictionCode | String (0-20)             |                                 |                |
| StreetAddress1           | String (1-100)            | DeliveryAddress.AddressLine1    |                |
| StreetAddress2           | String (1-100)            |                                 |                |
| City                     | String (1-60)             | PostalAddress.Municipality      |                |
| MainDivision             | String (1-60)             | PostalAddress.StateProvince     |                |
| SubDivision              | String (1-60)             | PostalAddress.County            |                |
| PostalCode               | String (1-20)             | PostalAddress.PostalCode        |                |
| Country                  | String (1-60)             | PostalAddress.Country           |                |

| Vertex                   |                           | Infor                                             |                           |
|--------------------------|---------------------------|---------------------------------------------------|---------------------------|
| Element/Attribute        | Data Type                 | Element Value                                     | Data Type                 |
| CurrencyConversion       | Decimal                   | TransactionCur-<br>rency                          | Decimal<br>size<br>31.15  |
| isoCurrencyName          | String                    |                                                   |                           |
| isoCurrencyCodeAlpha     | String (3)                | TransactionCurren-<br>cy.ISOCode                  |                           |
| isoCurrencyCodeNum       | Positive Integer (1-999)  |                                                   |                           |
| AdministrativeOrigin     |                           | POAAddress                                        | Postal-<br>Ad-<br>dressV2 |
| taxAreaId                | Integer (0-999999999)     | POATaxCode                                        | Alpha 15                  |
| locationCustomsStatus    | LocationCustomsStatusCode |                                                   |                           |
| locationCode             | String (0-20)             |                                                   |                           |
| externalJurisdictionCode | String (0-20)             |                                                   |                           |
| StreetAddress1           | String (1-100)            | POAAddress.Deliv-<br>eryAddress.Ad-<br>dressLine1 |                           |
| StreetAddress2           | String (100)              |                                                   |                           |
| City                     | String (1-60)             | POAAddress.Munic-<br>ipality                      |                           |
| MainDivision             | String (1-60)             | POAAd-<br>dress.StateProvince                     |                           |
| SubDivision              | String (1-60)             | POAAddress.Coun-<br>ty                            |                           |
| PostalCode               | String (1-20)             | POAAd-<br>dress.PostalCode                        |                           |
| Country                  | String (1-60)             | POAAddress.Coun-<br>tryCode                       |                           |
| CurrencyConversion       | Decimal                   | BuyerAdminCur-<br>rencyRate                       |                           |
| isoCurrencyName          | String                    |                                                   |                           |
| isoCurrencyCodeAlpha     | String (3)                | BuyerAdminCur-<br>rency.ISOCode                   |                           |

| Vertex                       |                          | Infor                                      |           |
|------------------------------|--------------------------|--------------------------------------------|-----------|
| Element/Attribute            | Data Type                | Element Value                              | Data Type |
| isoCurrencyCodeNum           | Positive Integer (1-999) | BuyerAdminCur-<br>rency.ISOCode-<br>Number |           |
| TaxRegistration              |                          | Vendor VAT Regis-<br>tration               |           |
| isoCountryCode               | String (2-3)             | Vendor.Coun-<br>tryCode                    | Alpha 3   |
| mainDivision                 | String (1-60)            |                                            |           |
| hasPhysicalPresenceIndicator | Boolean                  |                                            |           |
| impositionType               | String (0-60)            |                                            |           |
| TaxRegistrationNumber        | String (0-40)            | Vendor.VATRegis-<br>trationNumber          | Alpha 12  |
| NexusOverride                |                          |                                            |           |
| locationRole                 | TaxingLocationCode       |                                            |           |
| country                      | Boolean                  |                                            |           |
| mainDivision                 | Boolean                  |                                            |           |
| subDivision                  | Boolean                  |                                            |           |
| city                         | Boolean                  |                                            |           |
| district                     | Boolean                  |                                            |           |
| PhysicalLocation             |                          |                                            |           |
| taxAreaId                    | Integer (0-999999999)    |                                            |           |
| StreetAddress1               | String (1-100)           |                                            |           |
| StreetAddress2               | String (1-100)           |                                            |           |
| City                         | String (1-60)            |                                            |           |
| MainDivision                 | String (1-60)            |                                            |           |
| SubDivision                  | String (1-60)            |                                            |           |
| PostalCode                   | String (1-20)            |                                            |           |
| Country                      | String (1-60)            |                                            |           |
| TaxOverride                  |                          |                                            |           |
| overrideType                 | TaxOverrideCode          |                                            |           |
| overrideReasonCode           | String (1-4)             |                                            |           |

| Vertex                       |                       | Infor                      |           |
|------------------------------|-----------------------|----------------------------|-----------|
| Element/Attribute            | Data Type             | Element Value              | Data Type |
| ImpositionToProcess          |                       |                            |           |
| impositionType               | String (0-60)         |                            |           |
| JurisdictionOverride         |                       |                            |           |
| jurisdictionLevel            | JurisdictionLevelCode |                            |           |
| impositionType               | String (0-60)         |                            |           |
| DeductionOverride            |                       |                            |           |
| ExemptOverride               |                       |                            |           |
| overrideExemptReasonCode     | String (1-4)          |                            |           |
| NonTaxableOverride           |                       |                            |           |
| overrideNonTaxableReasonCode | String (1-4)          |                            |           |
| RateOverride                 | Decimal               |                            |           |
| SitusOverride                |                       |                            |           |
| taxingLocation               | TaxingLocationCode    |                            |           |
| ChargedTax                   | Decimal               |                            |           |
| LineItem                     |                       |                            |           |
| lineItemNumber               | Integer               | LineNumber (defaults to 1) | Num 6     |
| taxDate                      | Date (yyyy-mm-dd)     |                            |           |
| isMulticomponent             | Boolean               |                            |           |
| locationCode                 | String (1-20)         |                            |           |
| deliveryTerm                 | DeliveryTermCode      | ShipTerm                   | Alpha 3   |
| postingDate                  | Date (yyyy-mm-dd)     |                            |           |
| costCenter                   | String (1-40)         |                            |           |
| departmentCode               | String (1-40)         |                            |           |
| generalLedgerAccount         | String (1-40)         |                            |           |
| materialCode                 | String (1-40)         |                            |           |
| projectNumber                | String (1-40)         |                            |           |
| usage                        | String (1-40)         | TaxUsageCode               | Alpha 10  |
| usageClass                   | String (1-40)         |                            |           |

| Vertex                                  |                           | Infor                     |           |
|-----------------------------------------|---------------------------|---------------------------|-----------|
| Element/Attribute                       | Data Type                 | Element Value             | Data Type |
| vendorSKU                               | String (1-40)             |                           |           |
| countryOfOriginISOCODE                  | String (0-3)              |                           |           |
| modeOfTransport                         | Positive Integer (1-99)   |                           |           |
| natureOfTransaction                     | Positive Integer (1-999)  |                           |           |
| intrastatCommodityCode                  | String (0-unlimited)      |                           |           |
| netMassKilograms                        | Integer                   |                           |           |
| lineItemId                              | String (1-40)             | defaults to<br>LineNumber | Num 6     |
| taxIncludedIndicator                    | Boolean                   | TaxIncludedIndicator      | Boolean   |
| transactionType                         | ProcurementTransaction    |                           |           |
| simplificationCode                      | SimplificationCode        |                           |           |
| recoverableDate                         | Date (yyyy-mm-dd)         |                           |           |
| blockingOverridePercent                 | Decimal                   |                           |           |
| partialExemptRecoverableOverridePercent | Decimal                   |                           |           |
| titleTransfer                           | PointOfTitleTransferCode  |                           |           |
| chainTransactionPhase                   | ChainTransactionPhaseCode |                           |           |
| exportProcedure                         | String (1-20)             |                           |           |
| Buyer                                   |                           |                           |           |
| isTaxExempt                             | Boolean                   |                           |           |
| exemptionReasonCode                     | String (1-4)              |                           |           |
| Company                                 | String (0-40)             |                           |           |
| Division                                | String (0-40)             |                           |           |
| Department                              | String (0-40)             |                           |           |
| Recipient                               |                           |                           |           |
| RecipientCode                           |                           |                           |           |
| classCode                               | String (1-40)             |                           |           |
| isBusinessIndicator                     | Boolean                   |                           |           |
| TaxRegistration                         |                           |                           |           |

| Vertex                       |                           | Infor         |           |
|------------------------------|---------------------------|---------------|-----------|
| Element/Attribute            | Data Type                 | Element Value | Data Type |
| isoCountryCode               | String (2-3)              |               |           |
| mainDivision                 | String (1-60)             |               |           |
| hasPhysicalPresenceIndicator | Boolean                   |               |           |
| impositionType               | String (0-60)             |               |           |
| TaxRegistrationNumber        | String (0-40)             |               |           |
| NexusOverride                |                           |               |           |
| locationRole                 | TaxingLocationCode        |               |           |
| country                      | Boolean                   |               |           |
| mainDivision                 | Boolean                   |               |           |
| subDivision                  | Boolean                   |               |           |
| city                         | Boolean                   |               |           |
| district                     | Boolean                   |               |           |
| PhysicalLocation             |                           |               |           |
| taxAreaId                    | Integer (0-999999999)     |               |           |
| StreetAddress1               | String (1-100)            |               |           |
| StreetAddress2               | String (1-100)            |               |           |
| City                         | String (1-60)             |               |           |
| MainDivision                 | String (1-60)             |               |           |
| SubDivision                  | String (1-60)             |               |           |
| PostalCode                   | String (1-20)             |               |           |
| Country                      | String (1-60)             |               |           |
| Destination                  |                           |               |           |
| taxAreaId                    | Integer (0-999999999)     |               |           |
| locationCustomsStatus        | LocationCustomsStatusCode |               |           |
| locationCode                 | String (0-20)             |               |           |
| externalJurisdictionCode     | String (0-20)             |               |           |
| StreetAddress1               | String (1-100)            |               |           |
| StreetAddress2               | String (1-100)            |               |           |
| City                         | String (1-60)             |               |           |

| Vertex                     |                           | Infor         |           |
|----------------------------|---------------------------|---------------|-----------|
| Element/Attribute          | Data Type                 | Element Value | Data Type |
| MainDivision               | String (1-60)             |               |           |
| SubDivision                | String (1-60)             |               |           |
| PostalCode                 | String (1-20)             |               |           |
| Country                    | String (1-60)             |               |           |
| CurrencyConversion         | Decimal                   |               |           |
| isoCurrencyName            | String                    |               |           |
| isoCurrencyCodeAlpha       | String (3)                |               |           |
| isoCurrencyCodeNum         | Positive Integer (1-999)  |               |           |
| AdministrativeDestination  |                           |               |           |
| taxAreaId                  | Integer (0-999999999)     |               |           |
| locationCustomsStatus      | LocationCustomsStatusCode |               |           |
| locationCode               | String (0-20)             |               |           |
| externalJurisdictionCode   | String (0-20)             |               |           |
| StreetAddress1             | String (1-100)            |               |           |
| StreetAddress2             | String (1-100)            |               |           |
| City                       | String (1-60)             |               |           |
| MainDivision               | String (1-60)             |               |           |
| SubDivision                | String (1-60)             |               |           |
| PostalCode                 | String (1-20)             |               |           |
| Country                    | String (1-60)             |               |           |
| CurrencyConversion         | Decimal                   |               |           |
| isoCurrencyName            | String                    |               |           |
| isoCurrencyCodeAlpha       | String (3)                |               |           |
| isoCurrencyCodeNum         | Positive Integer (1-999)  |               |           |
| ExemptionCertificate       | String                    |               |           |
| exemptionCertificateNumber | String (1-30)             |               |           |
| TaxRegistration            |                           |               |           |
| isoCountryCode             | String (2-3)              |               |           |
| mainDivision               | String (1-60)             |               |           |

| Vertex                       |                           | Infor         |           |
|------------------------------|---------------------------|---------------|-----------|
| Element/Attribute            | Data Type                 | Element Value | Data Type |
| hasPhysicalPresenceIndicator | Boolean                   |               |           |
| impositionType               | String (0-60)             |               |           |
| TaxRegistrationNumber        | String (0-40)             |               |           |
| NexusOverride                |                           |               |           |
| locationRole                 | TaxingLocationCode        |               |           |
| country                      | Boolean                   |               |           |
| mainDivision                 | Boolean                   |               |           |
| subDivision                  | Boolean                   |               |           |
| city                         | Boolean                   |               |           |
| district                     | Boolean                   |               |           |
| PhysicalLocation             |                           |               |           |
| taxAreaId                    | Integer (0-999999999)     |               |           |
| StreetAddress1               | String (1-100)            |               |           |
| StreetAddress2               | String (1-100)            |               |           |
| City                         | String (1-60)             |               |           |
| MainDivision                 | String (1-60)             |               |           |
| SubDivision                  | String (1-60)             |               |           |
| PostalCode                   | String (1-20)             |               |           |
| Country                      | String (1-60)             |               |           |
| Vendor                       |                           |               |           |
| VendorCode                   | String (0-40)             |               |           |
| classCode                    | String (1-40)             |               |           |
| PhysicalOrigin               |                           |               |           |
| taxAreaId                    | Integer (0-999999999)     |               |           |
| locationCustomsStatus        | LocationCustomsStatusCode |               |           |
| locationCode                 | String (0-20)             |               |           |
| externalJurisdictionCode     | String (0-20)             |               |           |
| StreetAddress1               | String (1-100)            |               |           |
| StreetAddress2               | String (1-100)            |               |           |

| Vertex                       |                           | Infor         |           |
|------------------------------|---------------------------|---------------|-----------|
| Element/Attribute            | Data Type                 | Element Value | Data Type |
| City                         | String (1-60)             |               |           |
| MainDivision                 | String (1-60)             |               |           |
| SubDivision                  | String (1-60)             |               |           |
| PostalCode                   | String (1-20)             |               |           |
| Country                      | String (1-60)             |               |           |
| CurrencyConversion           | Decimal                   |               |           |
| isoCurrencyName              | String                    |               |           |
| isoCurrencyCodeAlpha         | String (3)                |               |           |
| isoCurrencyCodeNum           | Positive Integer (1-999)  |               |           |
| AdministrativeOrigin         |                           |               |           |
| taxAreaId                    | Integer (0-999999999)     |               |           |
| locationCustomsStatus        | LocationCustomsStatusCode |               |           |
| locationCode                 | String (0-20)             |               |           |
| externalJurisdictionCode     | String (0-20)             |               |           |
| StreetAddress1               | String (1-100)            |               |           |
| StreetAddress2               | String (1-100)            |               |           |
| City                         | String (1-60)             |               |           |
| MainDivision                 | String (1-60)             |               |           |
| SubDivision                  | String (1-60)             |               |           |
| PostalCode                   | String (1-20)             |               |           |
| Country                      | String (1-60)             |               |           |
| CurrencyConversion           | Decimal                   |               |           |
| isoCurrencyName              | String                    |               |           |
| isoCurrencyCodeAlpha         | String (3)                |               |           |
| isoCurrencyCodeNum           | Positive Integer (1-999)  |               |           |
| TaxRegistration              |                           |               |           |
| isoCountryCode               | String (2-3)              |               |           |
| mainDivision                 | String (1-60)             |               |           |
| hasPhysicalPresenceIndicator | Boolean                   |               |           |

| Vertex                   |                       | Infor         |           |
|--------------------------|-----------------------|---------------|-----------|
| Element/Attribute        | Data Type             | Element Value | Data Type |
| impositionType           | String (0-60)         |               |           |
| TaxRegistrationNumber    | String (0-40)         |               |           |
| NexusOverride            |                       |               |           |
| locationRole             | TaxingLocationCode    |               |           |
| country                  | Boolean               |               |           |
| mainDivision             | Boolean               |               |           |
| subDivision              | Boolean               |               |           |
| city                     | Boolean               |               |           |
| district                 | Boolean               |               |           |
| PhysicalLocation         |                       |               |           |
| taxAreaId                | Integer (0-999999999) |               |           |
| StreetAddress1           | String (1-100)        |               |           |
| StreetAddress2           | String (1-100)        |               |           |
| City                     | String (1-60)         |               |           |
| MainDivision             | String (1-60)         |               |           |
| SubDivision              | String (1-60)         |               |           |
| PostalCode               | String (1-20)         |               |           |
| Country                  | String (1-60)         |               |           |
| TaxOverride              |                       |               |           |
| overrideType             | TaxOverrideCode       |               |           |
| overrideReasonCode       | String (1-4)          |               |           |
| ImpositionToProcess      |                       |               |           |
| impositionType           | String (0-60)         |               |           |
| JurisdictionOverride     |                       |               |           |
| jurisdictionLevel        | JurisdictionLevelCode |               |           |
| impositionType           | String (0-60)         |               |           |
| DeductionOverride        |                       |               |           |
| ExemptOverride           |                       |               |           |
| overrideExemptReasonCode | String (1-4)          |               |           |

| Vertex                       |                          | Infor              |              |
|------------------------------|--------------------------|--------------------|--------------|
| Element/Attribute            | Data Type                | Element Value      | Data Type    |
| NonTaxableOverride           |                          |                    |              |
| overrideNonTaxableReasonCode | String (1-4)             |                    |              |
| RateOverride                 | Decimal                  |                    |              |
| SitusOverride                |                          |                    |              |
| taxingLocation               | TaxingLocationCode       |                    |              |
| Purchase                     | String (0-40)            | ProductTaxCategory | Alpha 15     |
| purchaseClass                | String (0-40)            | ProductClass       | Alpha 40     |
| CommodityCode                | String (0-40)            |                    |              |
| commodityCodeType            | String (1-60)            |                    |              |
| Quantity                     | Decimal                  | ItemQuantity       | Decimal 13.4 |
| unitOfMeasure                | String (1-3)             |                    |              |
| Weight                       | Decimal                  |                    |              |
| unitOfMeasure                | String (1-3)             |                    |              |
| Volume                       | Decimal                  |                    |              |
| unitOfMeasure                | String (1-3)             |                    |              |
| SupplementaryUnit            | Decimal                  |                    |              |
| unitType                     | String (0-20)            |                    |              |
| StatisticalValue             | Decimal                  |                    |              |
| isoCurrencyName              | String                   |                    |              |
| isoCurrencyCodeAlpha         | String (3)               |                    |              |
| isoCurrencyCodeNum           | Positive Integer (1-999) |                    |              |
| Freight                      | Decimal                  | FreightAmount      | Decimal 18.2 |
| UnitPrice                    | Decimal                  | TaxableAmount      | Decimal 18.2 |
| ExtendedPrice                | Decimal                  | TaxableAmount      | Decimal 18.2 |
| ChargedTax                   | Decimal                  | TaxAmount          | Decimal 18.2 |

| Vertex                                  |                           | Infor             |              |
|-----------------------------------------|---------------------------|-------------------|--------------|
| Element/Attribute                       | Data Type                 | Element Value     | Data Type    |
| InputTax                                |                           | VATInputTaxAmount | Decimal 18.2 |
| isImport                                | Boolean                   | IsImport          | Boolean      |
| TaxingJurisdictionLocation              |                           |                   |              |
| taxAreaId                               | Integer (0-999999999)     |                   |              |
| locationCustomsStatus                   | LocationCustomsStatusCode |                   |              |
| locationCode                            | String (0-20)             |                   |              |
| externalJurisdictionCode                | String (0-20)             |                   |              |
| jurisdictionLevel                       | JurisdictionLevelCode     |                   |              |
| impositionType                          | String (0-60)             |                   |              |
| StreetAddress1                          | String (1-100)            |                   |              |
| StreetAddress2                          | String (1-100)            |                   |              |
| City                                    | String (1-60)             |                   |              |
| MainDivision                            | String (1-60)             |                   |              |
| SubDivision                             | String (1-60)             |                   |              |
| PostalCode                              | String (1-20)             |                   |              |
| Country                                 | String (1-60)             |                   |              |
| CurrencyConversion                      | Decimal                   |                   |              |
| isoCurrencyName                         | String                    |                   |              |
| isoCurrencyCodeAlpha                    | String (3)                |                   |              |
| isoCurrencyCodeNum                      | Positive Integer (1-999)  |                   |              |
| InputAmount                             | Decimal                   |                   |              |
| InvoiceTaxRate                          | Decimal                   |                   |              |
| BlockingOverridePercent                 |                           |                   |              |
| PartialExemptRecoverableOverridePercent |                           |                   |              |
| LandedCost                              | Decimal                   |                   |              |
| AmountBilledToDate                      | Decimal                   |                   |              |
| FlexibleFields                          |                           |                   |              |
| FlexibleCodeField                       | String (1-40)             |                   |              |

| Vertex                   |                   | Infor         |           |
|--------------------------|-------------------|---------------|-----------|
| Element/Attribute        | Data Type         | Element Value | Data Type |
| fieldId                  | Integer (1-25)    |               |           |
| FlexibleNumericField     | Decimal           |               |           |
| fieldId                  | Integer (1-10)    |               |           |
| FlexibleDateField        | Date (yyyy-mm-dd) |               |           |
| fieldId                  | Integer (1-5)     |               |           |
| ReturnsFields            |                   |               |           |
| ReturnsCodeField         | String            |               |           |
| name                     | String            |               |           |
| ReturnsNumericField      | Decimal           |               |           |
| name                     | String            |               |           |
| ReturnsDateField         | Date (yyyy-mm-dd) |               |           |
| name                     | String            |               |           |
| ReturnsIndicatorField    | Boolean           |               |           |
| name                     | String            |               |           |
| LineItem                 |                   |               |           |
| ApplicationData          |                   |               |           |
| Sender                   | String            |               |           |
| MessageLogging           |                   |               |           |
| returnLogEntries         | Boolean           |               |           |
| OverrideLoggingThreshold |                   |               |           |
| thresholdScope           | String            |               |           |
| LogEntry                 |                   |               |           |
| logLevel                 | Log level         |               |           |
| instanceId               | String            |               |           |
| threadId                 | String            |               |           |
| className                | String            |               |           |
| Message                  | String            |               |           |
| Exception                | String            |               |           |
| ResponseTimeMS           | Decimal           |               |           |

## Appendix G: Project invoice mapping

| <b>TaxCode/ Address</b> | <b>Project Invoicing Setup</b>      | <b>Calculate Tax API field</b>     | <b>VertexAddress Element</b> |
|-------------------------|-------------------------------------|------------------------------------|------------------------------|
| Seller                  | Project Contract                    | From Tax Code                      | Administrative Origin        |
| Buyer                   | Project Funding Source (Customer)   | Tax Code                           | Destination                  |
| Buyer                   | Project (Post Project Override)     | Tax Code                           | Destination                  |
| Service Location        | Billing Override (Account Category) | POA Tax Code (Point of Acceptance) | Administrative Destination   |
| Service Code            | Billing Override (Account Category) | Product Tax Category               | Product Service Code         |