

# Enterprise Business Center Overview

May 2013



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For sales questions about any CyberSource Service, email [sales@cybersource.com](mailto:sales@cybersource.com) or call 800-530-9095 or 888-330-2300 (toll free in the United States).

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# Introduction

Welcome to CyberSource Advanced—payment solutions that enable you to manage your business online with ease and efficiency. This guide is designed to provide an overview of the different features and options available with your CyberSource account, as well as how to take advantage of them.

## Logging In

The Business Center login page is at <https://ebc.cybersource.com>. There are three fields required for logging in: your Merchant ID, User Name, and Password. When you first log in, the merchant ID and user name are usually the same.

**Note**

The Test and Live Business Center environments use separate user accounts, roles, and permissions.

The first time you log into the Business Center, the system will prompt you to create a permanent password. Choose a new password by following these requirements:

- The password must contain at least 8 characters and no more than 50.
- The password cannot contain the user name or be same as the last 15 passwords.
- The password must contain at least 2 letters.
- The password cannot contain more than 4 instances of the same character.
- The password must contain at least 5 unique characters.
- The password must contain at least 2 unique numbers (symbols count as numbers).
- The password cannot be changed more than three times in 24 hours.

You will also be prompted to answer a secret question (i.e. password recovery question), which will be saved with the answer in the database. If you forget your password, when attempting to log in to the Business Center, this question will appear on the screen to

verify your identity. You will need to answer the question correctly to be allowed to log into the Business Center. Your password will expire in 90 days.

Please note that for your security, your account may be locked due to too many unsuccessful login attempts. In this scenario, you will need to contact CyberSource Customer Support in order to unlock your account.

## User Management

You can create additional user names under your merchant ID with varying permissions allotted to each user name. To create a new user name, click on the Account Management tab and select > User Administration.

Once you have added a user, you will be redirected to the User Update page with a User Added confirmation message. From here, you can add the user's email address as well as customize their role and permissions. When you are done customizing the user permissions, click the Update button at the bottom to save the changes made.

If you ever need to disable or enable a user, revise permissions, or change a user's password, go back to the User Administration page and click on the user name you wish to update.

## Help

If you have a question regarding CyberSource services, please review previously asked questions in the Knowledgebase, accessible at the following URL: <http://support.cybersource.com/cybskb/index?page=home>.



### Note

To ensure that you receive communications from CyberSource, we suggest adding CyberSource to the approved list in your email system. Emails coming from CyberSource end with "@cybersource.com". By placing CyberSource on your approved list, it should help ensure that our emails do not get filtered out as spam.

## URLs

Business Center

<https://ebc.cybersource.com>

Test Business Center

<https://ebctest.cybersource.com>

CyberSource Support Center  
<http://support.cybersource.com>

Using the Reporting System  
[http://www.cybersource.com/support\\_center/support\\_documentation/services\\_documentation/reporting.php](http://www.cybersource.com/support_center/support_documentation/services_documentation/reporting.php)

## Documents

CyberSource Decision Manager Developer Guide Using the Simple Order API  
[http://www.cybersource.com/developers/develop/cybersource\\_services/fraud\\_management/](http://www.cybersource.com/developers/develop/cybersource_services/fraud_management/)

CyberSource Decision Manager Developer Guide Using the SCMP API  
[http://www.cybersource.com/developers/develop/cybersource\\_services/fraud\\_management/](http://www.cybersource.com/developers/develop/cybersource_services/fraud_management/)

Reporting Developer Guide  
[http://apps.cybersource.com/library/documentation/dev\\_guides/Reporting\\_Developers\\_Guide/html/](http://apps.cybersource.com/library/documentation/dev_guides/Reporting_Developers_Guide/html/)

Recurring Billing  
[http://www.cybersource.com/developers/develop/cybersource\\_services/payment\\_security/](http://www.cybersource.com/developers/develop/cybersource_services/payment_security/)

Payment Tokenization  
[http://www.cybersource.com/developers/develop/cybersource\\_services/payment\\_security/](http://www.cybersource.com/developers/develop/cybersource_services/payment_security/)

Account Updater User Guide  
[http://apps.cybersource.com/library/documentation/dev\\_guides/Account\\_Updater\\_UG/html/](http://apps.cybersource.com/library/documentation/dev_guides/Account_Updater_UG/html/)

Stored Value Services Implementation Guide  
[http://apps.cybersource.com/library/documentation/dev\\_guides/Stored\\_Value\\_IG/html/](http://apps.cybersource.com/library/documentation/dev_guides/Stored_Value_IG/html/)

# Account Management

## Transaction Search

With the numerous transactions that take place, using the Transaction Search feature helps you quickly find the specific transactions you need to review or take action on. Under the Transaction Search tab in the Business Center, the General Search function lets you target specific transactions using the following parameters:

- Field and value: search by a customer's email address, name, or specific transaction information such as the request ID and reference numbers.
- An application: the type of transaction, such as debit or credit card authorization.
- A reply: the response that the transaction you are searching for received (e.g. search for all successful transactions).
- Date range: select the date and time interval for your search, from transactions processed during the last hour to those from the previous 1-6 months or a custom range that you define.

For a general search of all transactions that took place during a specified period of time, select the **Search for an application** option and choose **All** in the dropdown menu.

The Transaction Search Results screen lists all transactions which match the criteria you submitted. Click on any request ID to proceed to Transaction Search Details. This page provides you with all the information you need for that particular transaction including request information, customer (billing) information, payment information, service fees, and offer-line details.

## Reports

The Business Center shows only the reports for which you are subscribed. Many standard reports are available free of charge, including those listed below. You can view each page of the report, print the report, and export it as a PDF file or spreadsheet.

You can subscribe to reports and access your reports settings by logging into the Business Center using your administrator login credentials. When logging in with your administrative login credentials, fill in the following information:



- Merchant ID. Type in your regular merchant ID followed by `_acct`.
- User Name. Type in your regular merchant ID followed by `_admin`.
- Password. The password for this account should be the same as the original password chosen for your merchant ID.

Once logged in, click on the Account Management tab, select Report Subscriptions, and click the **Edit** links on the basic and detail report headings to change your reports settings.

Four reports, as well as their primary functions, are listed below:

- Payment Batch Detail Report: Shows information about credit card and electronic check transactions. Used to reconcile with a bank statement.
- Payment Submission Detail Report: This report is identical to the Payment Batch Detail Report, except that it includes a column for the payment processor.
- Payment Events Report: Shows payment notifications received from the processor for these types of transactions that you submitted to CyberSource: Bank transfers, direct debits, credit card transactions (CyberSource Global Payment Services), electronic check debits and credits, and PayPal payments.
- Transaction Exception Detail Report: Shows detailed information about transactions that were flagged by CyberSource or by the processor because of errors sent in the request data of follow-on requests.

We recommend that you periodically download and save your reports for future reference. Your reports remain available for approximately one year in the Business Center. For more information on how to use these downloadable reports, please also see the [CyberSource Reporting Developer Guide](#).

## Service Fees

Service fees can be charged on transactions, in addition to normal transaction fees. As part of the checkout process on your web site, you must display a terms and conditions statement for the service fee. A customer must accept the terms and conditions before submitting an order.

To enable the service fee feature:

- Contact Wells Fargo to have your Wells Fargo account configured for this feature.
- Contact CyberSource Customer Support to have your CyberSource account configured for this feature.

## Limitations

The following limitations exist for service fees:

- Airline data is supported only for the principal amount, not for the service fee.
- Level II and Level III data are supported only for the principal amount, not for the service fee.
- The following features are not supported for transactions that include service fees:
  - AVS
  - CVN
  - Partial authorizations
  - Verbal authorizations

## Defining Terms and Conditions

The terms and conditions for service fees are defined in the Virtual Terminal settings. Under **Service Fee Terms & Conditions**, enter the text you want to display when customers are completing transactions.

## Processing Orders with Service Fees

When processing orders in Virtual Terminal, you have the option of including a service fee in the transaction. After submitting the order, you can review and edit the amount of the service fee and the terms and conditions before finalizing the transaction.

# Services

There are a variety of services, tools, and features available for your account, including the following:

- Virtual Terminal Order Processing
- Recurring Billing and Subscriptions\*
- Decision Manager, Advanced Fraud Screening\*
- Stored Value and Gift Certificates\*

\* The availability of these features depends on your account setup. These services may require signup and additional fees.

## Virtual Terminal

The Virtual Terminal is similar to an Internet-based version of the credit card terminals used at retail stores. You can use the Virtual Terminal to process orders placed by mail, telephone, or email.

To process a transaction, select the Virtual Terminal tab and click Process Orders. In the New Order page that follows, fill in the payment, credit card, and customer information pertinent to the order.

You can edit which fields to require in the New Order page within the Virtual Terminal settings, located under the Virtual Terminal tab. Generally, the order form asks for the following specific pieces of information:

## Payment Information

- *Total Amount* The total amount you would like to process for the order, which needs to include any taxes and/or shipping costs.
- *Currency* Default currency is United States Dollar.
- *Payment Type* How the customer chooses to pay for the purchase, such as credit card or check.

- *Service Fee* Indicates if a service fee will be added to the transaction. This field is automatically checked once the merchant is configured in the Partner Portal.

## Credit Card

For each credit card transaction, you specify the type of transaction:

- *Authorization*: You request an authorization when a customer makes a purchase. An authorization ensures that your customer's credit card account is open, is in good standing, and has funds available to complete the purchase. This option is the default.
- *Sale*: A sale authorizes the credit card and captures the authorization. Credit card associations require that you choose Sale only if you fulfill the order immediately, for example, for purchases at a retail store. For online orders, you must ship the goods before you capture the funds.
- *Credit*: (Card-not-present transactions only) This option is available if your payment processor supports stand-alone credits, which are credits not associated with an existing authorization.
- *Capture with Verbal Authorization*: (Card-not-present transactions only) This option is available for card-not present transactions if your payment processor is TSYS (formerly known as Vital Processing Services). You can call a voice authorization center to obtain a verbal authorization code. You can then use this code to process a credit card transaction in the Virtual Terminal. You can use this option in conjunction with Level II fields. This option is equivalent to processing a sale (authorization and simultaneous capture). After processing, these transactions are indistinguishable from other credit card transactions. You can process a verbal authorization only with the same processor that gave you the verbal authorization. Otherwise, the transaction will fail.

Select the type of credit card type, such as MasterCard, Visa, or American Express. The selection available corresponds with the choices you select in the Virtual Terminal Settings page.

- *Credit Card Number*: accommodates 18 digits but no spaces or dashes
- *Expiration Date*

## Customer Information

Your customer's name, address, and other contact information.

Once you have filled in all the information, click **Submit**. You will be redirected to your Transaction Receipt.

## Order Information

A description of your store and your contact number.

## Level II and Additional Level III Fields

### Level II Fields

Level II cards, which are also known as Type II cards, provide consumers with additional information on their credit card statements about their purchases. Level II cards enable consumers to more easily track the amount of sales tax they pay and to reconcile transactions with a unique customer code. Level II cards are separated into two categories:

- **Business/Corporate Cards**—Given by businesses to employees for business-related expenses such as travel and entertainment or for corporate supplies and services.
- **Purchase/Procurement Cards**—Used by businesses for expenses such as supplies and services. These cards are often used as replacements for purchase orders.

Each processor supports a different set of Level II fields. If your business is not in the United States, you must use additional fields.

The behavior and requirements that apply to the customer information fields in the previous section also apply to these fields. For more information on these fields, see [Appendix A, "Level II and Level III Field Requirements," on page 17](#).

### Level II Duty

Amount charged on imported and exported items.

### Level II Purchase Order Number

Purchase order number or customer reference ID that is provided by the customer. Note that this number is different from the Customer ID mentioned above in the Customer Billing Information section.

### Level II Tax

Amount of tax in the order.

### Level II Tax Exempt

Tax exemption status of the order.

## Level III and Additional Level II Fields

Purchasing cards are special credit cards that employees use to make purchases for their company. You provide additional detailed information—the Level III data—about the purchasing card order during the settlement process. The Level III data is forwarded to the company that made the purchase and allows the company to manage its purchasing activities.

When you select the line-item fields in the Virtual Terminal settings page, the fields appear in the Virtual Terminal, the transaction receipt, and the details page for the transaction.

Each processor supports a different set of Level II and Level III fields. If you submit a Level II or Level III transaction but omit required fields, your processor could charge you penalties or increase your fees. To find out if you can or should use these fields for your processor, see [Appendix A, "Level II and Level III Field Requirements,"](#) on page 17.

Below is an example of the Virtual Terminal Settings page.

Level III and Additional Level II Fields		
Reset		
Order-Level Fields		
Receipt	Field Settings	
<input type="checkbox"/>	Hide	Alternate Tax Amount
<input type="checkbox"/>	Hide	Alternate Tax Indicator
<input type="checkbox"/>	Hide	Alternate Tax ID
<input checked="" type="checkbox"/>	Optional	Transaction Advice Addendum 1
<input type="checkbox"/>	Hide	Transaction Advice Addendum 2
<input type="checkbox"/>	Hide	Transaction Advice Addendum 3
<input type="checkbox"/>	Hide	Transaction Advice Addendum 4
<input type="checkbox"/>	Hide	Duty Amount
<input type="checkbox"/>	Hide	Freight Amount
<input type="checkbox"/>	Hide	Purchase Order Number
<input type="checkbox"/>	Hide	Local Tax
<input type="checkbox"/>	Hide	Local Tax Indicator
<input type="checkbox"/>	Hide	Merchant VAT Registration Number
<input type="checkbox"/>	Hide	National Tax
<input type="checkbox"/>	Hide	National Tax Indicator
<input type="checkbox"/>	Hide	Order Discount Amount
<input type="checkbox"/>	Hide	Purchaser Code
<input type="checkbox"/>	Hide	Purchaser Order Date
<input type="checkbox"/>	Hide	Purchaser VAT Registration Number
Item-Level Fields		
Receipt	Field Settings	
<input checked="" type="checkbox"/>	Required	Alternate Tax Amount
<input checked="" type="checkbox"/>	Required	Alternate Tax ID
<input checked="" type="checkbox"/>	Required	Alternate Tax Rate
<input checked="" type="checkbox"/>	Required	Alternate Tax Type Applied
<input checked="" type="checkbox"/>	Required	Alternate Tax Type
<input checked="" type="checkbox"/>	Optional	Unit Price
<input checked="" type="checkbox"/>	Required	Commodity Code
<input type="checkbox"/>	Required	Discount Amount
<input type="checkbox"/>	Optional	Discount Indicator
<input type="checkbox"/>	Required	Discount Rate
<input type="checkbox"/>	Optional	Gross Net Indicator
<input type="checkbox"/>	Required	Local Tax
<input type="checkbox"/>	Required	Product SKU
<input type="checkbox"/>	Required	National Tax
<input type="checkbox"/>	Required	Product Code
<input type="checkbox"/>	Required	Product Name
<input type="checkbox"/>	Required	Quantity
<input type="checkbox"/>	Required	Tax Amount
<input type="checkbox"/>	Required	Tax Rate

You can choose to Hide, Read Only, Optional, or Require each Order-Level and Item-Level field.

- If you choose to Hide a field, you can still pass in the field, but it will be hidden from the customer.
- If you choose to make a field Read Only, the field will display with the value you selected. The customer cannot change it.

- If you choose to make the field Optional, the customer can fill in the field or leave it blank.
- If you choose to make a field Required, the customer is required to fill in the field.

Select your choice from the Field Settings menu. Click the Receipt checkbox to have the fields display on the customer's emailed receipt and your emailed receipt.

## Payment Tokenization

Payment Tokenization is the replacement of sensitive credit card data with a unique identifier that can not be mathematically reversed. A subscription ID takes the place of the sensitive data. Typically, the subscription ID will retain the last four digits of the primary account number (PAN) as a means of accurately matching the subscription ID of the customer profile to the card owner. The remaining numbers are generated using proprietary tokenization algorithms.

If you are storing credit card data, the PAN data is easily uploaded to CyberSource's databases using CyberSource's API or batch loading processes. The payment tokenization solution is compatible with the Visa and MasterCard Account Updater service, where all payment information stored with CyberSource is automatically updated by participating banks, thereby reducing payment failures. See [Payment Tokenization with the Business Center](#) for additional information.

## Recurring Billing

The recurring billing system (aka subscriptions or profiles) lets you schedule automatic payments with your customers. Under the Tools & Settings tab, you can select to create a New Subscription, Search for subscriptions, or adjust the Settings for your subscriptions. Settings for notifying your customers are customizable according to your business needs. See [Recurring Billing with the Business Center](#) for additional information.

## Account Updater

Account Updater allows you to stay updated with changes to stored customer credit card data. Such changes could include a new expiration date, a new credit card number, or a brand flip, for example, a flip from Visa to MasterCard. Account Updater obtains credit card information from both Visa and MasterCard, and provides you with a downloadable encrypted response file you can use to update your data store.

If you use the CyberSource Recurring Billing or Payment Tokenization services, you can enable Account Updater so your subscriptions and customer profiles are updated with the latest credit card data automatically. CyberSource receives your request, formats the data,

and packages the data, before sending the request securely to MasterCard's Automatic Billing Updater Service or Visa's US Account Updater Service on your behalf. The Account Updater Service is only available to US merchants at this time. See the [Account Updater User's Guide](#) for additional information.

## Decision Manager

The Decision Manager is an advanced fraud screening system that comes in Standard and Advanced Editions. This decision management tool gives you the flexibility to control your business practices and policies in real time, as well as interpret the risk and information codes based on business rules you indicate. With Decision Manager, you can accurately identify and review potentially risky transactions while minimizing the rejection of valid orders. Within the Business Center, the Decision Manager module is accessible under the Tools & Settings tab. Therein you can view or edit order profiles as well as create, view, or edit custom rules for your business. For more information, please refer to the [CyberSource Decision Manager Developer's Guide](#).

## Stored Value

Stored Value enables your business to create gift certificates that can be purchased by your customers and redeemed by their intended recipients. Using CyberSource technology, you can produce your own certificates, with the look and feel of your company and your products. For more information, please refer to the CyberSource Stored Value Services Implementation Guide.



# Level II and Level III Field Requirements

This appendix lists the required Level II and Level III fields for the following processors:

- "TSYS"
- "FDC Nashville Global"
- "GPN"
- "RBS WorldPay Atlanta"
- "FDC Compass"
- "Chase Paymentech"
- "FDMS Nashville"
- "FDMS South"

# TSYS

## Order-Level Fields Required for TSYS

Table 1 Order-Level Field Requirements for TSYS

CyberSource Field Name	Description	Used By (Required/Optional)
<b>Alternate Tax Amount</b>	Total amount of alternate tax for the order.	Level III (O) Cards: ■ MasterCard
<b>Alternate Tax Indicator</b>	Indicates if an alternate tax amount is included in the order total. Possible values: ■ Y: Alternate tax is included ■ N: Alternate tax not included (Default)	Level III (O) Cards: ■ MasterCard
<b>Alternate Tax ID</b>	Merchant's tax ID number to use for the alternate tax amount.	Not supported
<b>Transaction Advice Addendum 1-4</b>	Four Transaction Advice Addendum fields. These fields are used to display descriptive information about a transaction on the consumer's American Express card statement. If you are sending any TAA fields, start with invoiceHeader_  DataTAA1, then ...TAA2, and so on. Skipping a TAA field causes subsequent TAA fields to be ignored.  Contact CyberSource Customer Support if you plan to use these fields so that your account can be configured appropriately.	Not supported
<b>Duty Amount</b>	Total charges for any import or export duties included in the order.	Level III (O) Cards: ■ Visa ■ MasterCard

**Table 1 Order-Level Field Requirements for TSYS (Continued)**

<b>CyberSource Field Name</b>	<b>Description</b>	<b>Used By (Required/Optional)</b>
<b>Freight Amount</b>	Total freight or shipping and handling charges for the order.	Level III (O) Cards: <ul style="list-style-type: none"> <li>■ Visa</li> <li>■ MasterCard</li> </ul>
<b>Purchase Order Number</b>	Customer's purchase order number.	Level II (Required for purchase/procurement cards; optional otherwise. Do not use all zeros or nines.) Cards: <ul style="list-style-type: none"> <li>■ Visa</li> <li>■ MasterCard</li> </ul> Level III (Required for purchase/procurement cards; optional otherwise. Do not use all zeros or nines.) Cards: <ul style="list-style-type: none"> <li>■ Visa</li> <li>■ MasterCard</li> </ul>
<b>Local Tax</b>	Sales tax for the order.	Level III (O) Cards: <ul style="list-style-type: none"> <li>■ Visa</li> <li>■ MasterCard</li> </ul>

Table 1 Order-Level Field Requirements for TSYS (Continued)

CyberSource Field Name	Description	Used By (Required/Optional)
<b>Local Tax Indicator</b>	<p>Indicates if the order includes local tax. This field is not included in the request when you select the following:</p> <ul style="list-style-type: none"> <li>■ The default setting</li> <li>■ Local Tax Not Included</li> <li>■ Local Tax Included</li> <li>■ Tax Exempt</li> </ul> <p><b>Important</b> For GSA (General Services Administration) purchasing cards, tax is required in order to qualify for Level III when processing with TSYS Acquiring Solutions. Therefore, the only valid Level III value for this field for GSA cards is Local Tax Included. If you have any questions or concerns, please contact your acquirer.</p>	<p>Level III (O)</p> <p>Cards:</p> <ul style="list-style-type: none"> <li>■ Visa</li> <li>■ MasterCard</li> </ul>
<b>Merchant VAT Registration Number</b>	Merchant's government-assigned tax identification number.	<p>Level III (O)</p> <p>Cards:</p> <ul style="list-style-type: none"> <li>■ Visa</li> </ul>
<b>National Tax</b>	National tax for the order.	<p>Level III (O)</p> <p>Cards:</p> <ul style="list-style-type: none"> <li>■ Visa</li> <li>■ MasterCard</li> </ul>
<b>National Tax Indicator</b>	<p>Indicates if a national tax is included in the order total. Possible values:</p> <ul style="list-style-type: none"> <li>■ 0: National tax not included</li> <li>■ 1: National tax included</li> </ul> <p>If you do not provide a value, CyberSource sets this field to 1 if you provide a National Tax Amount greater than 0.</p>	<p>Level III (O)</p> <p>Cards:</p> <ul style="list-style-type: none"> <li>■ Visa</li> <li>■ MasterCard</li> </ul>
<b>Order Discount Amount</b>	Total discount applied to the order. For example: a \$20 discount off the order total.	<p>Level III (O)</p> <p>Cards:</p> <ul style="list-style-type: none"> <li>■ Visa</li> </ul>

Table 1 Order-Level Field Requirements for TSYS (Continued)

CyberSource Field Name	Description	Used By (Required/Optional)
<b>Purchaser Code</b>	Customer ID reference number that identifies the customer for a Level II transaction.	Not supported
<b>Purchaser Order Date</b>	Date the order was processed. Format: YYMMDD.	Level III (O)  Cards: ■ Visa
<b>Purchaser VAT Registration Number</b>	Customer's government-assigned tax identification number.	Level III (O)  Cards: ■ Visa
<b>Ship From Postal/Zip Code</b>	Postal code for the address from which the goods are shipped, which is used to determine nexus. The default is the postal code associated with your CyberSource account. The postal code must consist of 5 to 9 digits.  If the billing country is the U.S., the 9-digit postal code must follow this format: [5 digits][dash] [4 digits] Example: 12345-6789  If the billing country is Canada, the 6-digit postal code must follow this format: [alpha][numeric][alpha][space][numeric][alpha] [numeric] Example: A1B 2C4	Level III  Cards: ■ Visa (O) ■ MasterCard (Recommended for best rate. Do not use all zeros or nines.)
<b>Summary Commodity Code</b>	International description code of the overall order's goods or services. Contact your acquirer for a list of codes.	Level III (R)  Cards: ■ Visa
<b>Supplier Order Reference Number</b>	Text description of the item.	Not supported
<b>Taxable</b>	Indicates if an order is taxable. Possible values: ■ N (Default) ■ Y (if checked)	Not supported

**Table 1 Order-Level Field Requirements for TSYS (Continued)**

<b>CyberSource Field Name</b>	<b>Description</b>	<b>Used By (Required/Optional)</b>
<b>VAT Invoice Reference Number</b>	VAT invoice number associated with the transaction.	Level III (O) Cards: ■ Visa
<b>VAT Tax Amount</b>	Total amount of VAT or other tax included in the order.	Level III (O) Cards: ■ Visa
<b>VAT Tax Rate</b>	Rate of VAT or other tax for the order.  Example: 0.0400 (=4%)  Valid range: 0.0001 to 0.9999 (0.01% to 99.99%)	Level III (O) Cards: ■ Visa

## Item-Level Fields Required for TSYS

**Table 2** Item-Level Field Requirements for TSYS

CyberSource Field Name	Description	Used By (Required/Optional)
<b>Alternate Tax Amount</b>	Amount of alternate tax for the item.	Not supported
<b>Alternate Tax ID</b>	Merchant's tax ID number to use for the alternate tax amount.  Provide this field if you include Alternate Tax Amount in the request.  You may send this field without sending Alternate Tax Amount.	Level III (See description)  Cards: ■ MasterCard
<b>Alternate Tax Rate</b>	MasterCard: Tax rate for a type of tax collected. Visa: VAT or other tax rate.	Not supported
<b>Alternate Tax Type Applied</b>	MasterCard: Flag that defines tax categories for domestic processing in certain locations. Visa: VAT or other tax type.	Not supported
<b>Alternate Tax Type</b>	Flag that indicates the type of tax collected.	Not supported
<b>Unit Price</b>	Unit cost of the item purchased.	Level II (R)  ■ Cards: ■ Visa ■ MasterCard  Level III (R)  Cards: ■ Visa ■ MasterCard
<b>Commodity Code</b>	International description code used to classify the item. Contact your acquirer for a list of codes.	Level III (R)  Cards: ■ Visa
<b>Discount Amount</b>	Discount applied to the item.	Level III (O)  Cards: ■ Visa ■ MasterCard

Table 2 Item-Level Field Requirements for TSYS (Continued)

CyberSource Field Name	Description	Used By (Required/Optional)
<b>Discount Indicator</b>	Flag that indicates if the amount is discounted. Possible values: <ul style="list-style-type: none"> <li>■ Y: Amount is discounted</li> <li>■ N: Amount is not discounted</li> </ul> If you do not provide a value but you set Discount Amount to a value greater than zero, CyberSource sets this field to Y.	Level III (O) Cards: <ul style="list-style-type: none"> <li>■ MasterCard</li> </ul>
<b>Discount_Rate</b>	Rate the item is discounted. Example: .0525 (=5.25%)	Level III (O) Cards: <ul style="list-style-type: none"> <li>■ MasterCard</li> </ul>
<b>Gross Net Indicator</b>	Flag that indicates if the tax amount is included in the Line Item Total. Possible values: <ul style="list-style-type: none"> <li>■ Y: Item amount includes tax amount</li> <li>■ N: Item amount does not include tax amount</li> </ul>	Level III (R) Cards: <ul style="list-style-type: none"> <li>■ MasterCard</li> </ul>
<b>Local Tax</b>	Sales tax applied to the item.	Not supported
<b>Product SKU</b>	Product's identifier code.	Not supported
<b>National Tax</b>	Amount of national tax or value added tax for countries where more than one tax is applied	Not supported
<b>Product Code</b>	Product code for the item. In the United States, this may be a UPC code, part number, or product number. If you do not provide this value, CyberSource uses default.	Level III Cards: <ul style="list-style-type: none"> <li>■ Visa (O)</li> <li>■ MasterCard (Recommended for best rate. Do not use all zeros or spaces.)</li> </ul>
<b>Product Name</b>	Text description of the item.	Level III Cards: <ul style="list-style-type: none"> <li>■ Visa (O)</li> <li>■ MasterCard (R. Do not use all zeros or spaces.)</li> </ul>



**Table 2 Item-Level Field Requirements for TSYS (Continued)**

<b>CyberSource Field Name</b>	<b>Description</b>	<b>Used By (Required/Optional)</b>
<b>Quantity</b>	Number of units of the item purchased. Must be a whole number. If you do not provide this value, CyberSource uses 1.	Level III (Recommended for best rate) Cards: <ul style="list-style-type: none"> <li>■ Visa</li> <li>■ MasterCard (Do not use all zeros or spaces.)</li> </ul>
<b>Tax Amount</b>	Total tax to apply to the product.	Level II (R) Cards: <ul style="list-style-type: none"> <li>■ Visa</li> <li>■ MasterCard</li> </ul> Level III (R) Cards: <ul style="list-style-type: none"> <li>■ Visa</li> <li>■ MasterCard</li> </ul>
<b>Tax Rate</b>	Tax rate applied to the item.	Level III Cards: <ul style="list-style-type: none"> <li>■ Visa (O)</li> <li>■ MasterCard (R)</li> </ul>
<b>Tax Type Applied</b>	Type of tax being applied to the item.	Level III (O) Cards: <ul style="list-style-type: none"> <li>■ MasterCard</li> </ul>
<b>Total Amount</b>	Total purchase amount for the item. Normally calculated as the unit price x quantity.	Level III (R) Cards: <ul style="list-style-type: none"> <li>■ Visa</li> <li>■ MasterCard (Do not use all zeros or spaces.)</li> </ul>
<b>Unit of Measure</b>	Unit of measure, or unit of measure code, for the item.	Level III Cards: <ul style="list-style-type: none"> <li>■ Visa (O)</li> <li>■ MasterCard (R. Do not use all zeros or spaces.)</li> </ul>
<b>VAT Rate</b>	Rate used to calculate VAT	Not supported

# FDC Nashville Global

## Order-Level Fields Required for FDC Nashville Global

Table 3 Order-Level Field Requirements for FDC Nashville Global

CyberSource Field Name	Description	Used By (Required/Optional)
<b>Alternate Tax Amount</b>	<p>Amount of all taxes, excluding the local tax (<b>Tax Amount</b>) and national tax (<b>National Tax</b>) included in the total tax.</p> <p><b>Note</b> Do not confuse this order-level field with the <b>alternate Tax Amount</b> offer-level field.</p>	<p>Level II (Required for non-U.S. transactions; otherwise, not used)</p> <p>Cards:</p> <ul style="list-style-type: none"> <li>■ Visa</li> <li>■ MasterCard</li> <li>■ American Express</li> </ul> <p>Level III (Optional for non-U.S. transactions; otherwise, not used)</p> <p>Cards:</p> <ul style="list-style-type: none"> <li>■ Visa</li> <li>■ MasterCard</li> </ul>
<b>Alternate Tax Indicator</b>	<p>Indicates if the alternate tax amount (<b>Alternate Tax Amount</b>) is included in the request. Possible values:</p> <ul style="list-style-type: none"> <li>■ N: Alternate tax amount is not included in the request.</li> <li>■ Y: Alternate tax amount is included in the request.</li> </ul>	<p>Level II (Required for non-U.S. MasterCard transactions; otherwise, not used)</p> <p>Cards:</p> <ul style="list-style-type: none"> <li>■ MasterCard</li> </ul> <p>Level III (Optional for non-U.S. MasterCard transactions; otherwise, not used)</p> <p>Cards:</p> <ul style="list-style-type: none"> <li>■ MasterCard</li> </ul>
<b>Alternate Tax ID</b>	Merchant's tax ID number to use for the alternate tax amount.	Not supported

Table 3 Order-Level Field Requirements for FDC Nashville Global (Continued)

CyberSource Field Name	Description	Used By (Required/Optional)
<b>Transaction Advice Addendum 1-4</b>	<p>Four Transaction Advice Addendum fields. These fields are used to display descriptive information about a transaction on the consumer's American Express card statement. If you are sending any TAA fields, start with invoiceHeader_ amexDataTAA1, then ...TAA2, and so on. Skipping a TAA field causes subsequent TAA fields to be ignored.</p> <p>Contact CyberSource Customer Support if you plan to use these fields so that your account can be configured appropriately.</p>	Not supported
<b>Duty Amount</b>	Total charges for any import or export duties included in the order. This value cannot be negative.	<p>Level II</p> <p>Cards:</p> <ul style="list-style-type: none"> <li>■ Visa (R)</li> <li>■ MasterCard (O)</li> </ul> <p>Level III (O)</p> <p>Cards:</p> <ul style="list-style-type: none"> <li>■ Visa</li> </ul>
<b>Freight Amount</b>	Total freight or shipping and handling charges for the order.	<p>Level III (O)</p> <p>Cards:</p> <ul style="list-style-type: none"> <li>■ Visa</li> <li>■ MasterCard</li> </ul>
<b>Purchase Order Number</b>	<p>Customer's purchase order number. A value must be provided in this field or in the <b>Merchant Reference Number</b> field.</p> <p>CyberSource recommends that you do not populate the field with all zeros or nines.</p>	<p>Level II (See description)</p> <p>Cards:</p> <ul style="list-style-type: none"> <li>■ Visa</li> <li>■ MasterCard</li> <li>■ American Express</li> </ul> <p>Level III (See description)</p> <p>Cards:</p> <ul style="list-style-type: none"> <li>■ Visa</li> <li>■ MasterCard</li> </ul>

**Table 3 Order-Level Field Requirements for FDC Nashville Global (Continued)**

<b>CyberSource Field Name</b>	<b>Description</b>	<b>Used By (Required/Optional)</b>
<b>Local Tax</b>	Amount of local sales tax for the order.	Not supported
<b>Local Tax Indicator</b>	Indicates if the order includes local tax. This field is not included in the request when you select the following: <ul style="list-style-type: none"> <li>■ The default setting</li> <li>■ Local Tax Not Included</li> <li>■ Local Tax Included</li> <li>■ Tax Exempt</li> </ul>	Not supported
<b>Merchant VAT Registration Number</b>	Identification number assigned to the purchasing company by the tax authorities.	Not supported
<b>National Tax</b>	Amount of national sales tax or value-added tax for the order	Not supported
<b>National Tax Indicator</b>	Indicates if the order includes national tax. Possible values: <ul style="list-style-type: none"> <li>■ 0 (Default)</li> <li>■ 1 (if checked)</li> </ul>	Not supported
<b>Order Discount Amount</b>	Total discount applied to the order. For example: a \$20 discount off the order total. This value cannot be negative.	Level II Cards: <ul style="list-style-type: none"> <li>■ Visa (R)</li> <li>■ MasterCard (O)</li> </ul> Level III (O) Cards: <ul style="list-style-type: none"> <li>■ Visa</li> </ul>
<b>Purchaser Code</b>	Customer ID reference number that identifies the customer for a Level II transaction.	Not supported
<b>Purchaser Order Date</b>	Date the order was processed.	Not supported
<b>Purchaser VAT Registration Number</b>	Identification number assigned to the purchasing company by the tax authorities.	Level II (Required for non-U.S. Visa transactions; otherwise, not used) Cards: <ul style="list-style-type: none"> <li>■ Visa</li> </ul>

**Table 3 Order-Level Field Requirements for FDC Nashville Global (Continued)**

<b>CyberSource Field Name</b>	<b>Description</b>	<b>Used By (Required/Optional)</b>
<b>Ship From Postal/Zip Code</b>	<p>Postal code for the address from which the goods are shipped, which is used to determine nexus. The default is the postal code associated with your CyberSource account. The postal code must consist of 5 to 9 digits.</p> <p>If the billing country is the U.S., the 9-digit postal code must follow this format: [ 5 digits ][ dash ] [ 4 digits ] Example: 12345-6789</p> <p>If the billing country is Canada, the 6-digit postal code must follow this format: [ alpha ][ numeric ][ alpha ][ space ][ numeric ][ alpha ][ numeric ] Example: A1B 2C4</p>	<p>Level II (O)</p> <p>Cards:</p> <ul style="list-style-type: none"> <li>■ Visa</li> <li>■ MasterCard</li> </ul> <p>Level III (R)</p> <p>Cards:</p> <ul style="list-style-type: none"> <li>■ Visa</li> <li>■ MasterCard</li> </ul>
<b>Summary Commodity Code</b>	International description code of the overall order's goods or services. Contact your acquirer for a list of codes.	Not supported
<b>Supplier Order Reference Number</b>	Text description of the item.	<p>Level III</p> <p>Cards:</p> <ul style="list-style-type: none"> <li>■ Visa (R)</li> <li>■ MasterCard (Required for reduced interchange)</li> </ul>
<b>Taxable</b>	<p>Indicates if an order is taxable. Possible values:</p> <ul style="list-style-type: none"> <li>■ N (Default)</li> <li>■ Y (if checked)</li> </ul>	Not supported
<b>VAT Invoice Reference Number</b>	VAT invoice number associated with the transaction.	<p>Level II (Required for non-U.S. Visa transactions; otherwise, not used)</p> <p>Cards:</p> <ul style="list-style-type: none"> <li>■ Visa</li> </ul>

**Table 3 Order-Level Field Requirements for FDC Nashville Global (Continued)**

<b>CyberSource Field Name</b>	<b>Description</b>	<b>Used By (Required/Optional)</b>
<b>VAT Tax Amount</b>	Total amount of VAT or other tax on freight or shipping only.	Level II (Optional for non-U.S. transactions; otherwise, not used)  Cards: <ul style="list-style-type: none"> <li>■ Visa</li> <li>■ MasterCard</li> <li>■ American Express</li> </ul>
<b>VAT Tax Rate</b>	Vat tax rate for freight or shipping.	Level II (Optional for non-U.S. transactions; otherwise, not used)  Cards: <ul style="list-style-type: none"> <li>■ Visa</li> <li>■ MasterCard</li> <li>■ American Express</li> </ul>

## Item-Level Fields Required for FDC Nashville Global

**Table 4** Item-Level Field Requirements for FDC Nashville Global

CyberSource Field Name	Description	Used By (Required/Optional)
<b>Alternate Tax Amount</b>	<p>MasterCard: Tax amount collected for a special type of tax.</p> <p>Visa: VAT or other tax amount.</p> <p><b>Note</b> Do not confuse this offer-level field with the <b>Alternate Tax Amount</b> order-level field.</p>	<p>Level III (O)</p> <p>Cards:</p> <ul style="list-style-type: none"> <li>■ Visa</li> <li>■ MasterCard</li> </ul>
<b>Alternate Tax ID</b>	<p>Merchant's tax ID number to use for the alternate tax amount.</p>	<p>Level III (Required if <b>alternate_tax_amount</b> is included; otherwise, optional.)</p> <p>Cards:</p> <ul style="list-style-type: none"> <li>■ MasterCard</li> </ul>
<b>Alternate Tax Rate</b>	<p>MasterCard: Tax rate for a type of tax collected.</p> <p>Visa: VAT or other tax rate.</p>	<p>Level III (O)</p> <p>Cards:</p> <ul style="list-style-type: none"> <li>■ Visa</li> <li>■ MasterCard</li> </ul>
<b>Alternate Tax Type Applied</b>	<p>MasterCard: Flag that defines tax categories for domestic processing in certain locations.</p> <p>Visa: VAT or other tax type.</p>	<p>Level III (O)</p> <p>Cards:</p> <ul style="list-style-type: none"> <li>■ Visa</li> <li>■ MasterCard</li> </ul>
<b>Alternate Tax Type</b>	<p>Flag that indicates the type of tax collected for <b>Alternate Tax Amount</b>.</p>	<p>Level III (O)</p> <p>Cards:</p> <ul style="list-style-type: none"> <li>■ Visa</li> <li>■ MasterCard</li> </ul>
<b>Unit Price</b>	<p>Unit cost of the item purchased.</p>	<p>Level II (R)</p> <p>Cards:</p> <ul style="list-style-type: none"> <li>■ Visa</li> <li>■ MasterCard</li> <li>■ American Express</li> </ul> <p>Level III (R)</p> <p>Cards:</p> <ul style="list-style-type: none"> <li>■ Visa</li> <li>■ MasterCard</li> </ul>

**Table 4 Item-Level Field Requirements for FDC Nashville Global (Continued)**

<b>CyberSource Field Name</b>	<b>Description</b>	<b>Used By (Required/Optional)</b>
<b>Commodity Code</b>	International description code used to classify the item. Contact your acquirer or FDC Nashville Global for a list of codes.	Level III Cards: <ul style="list-style-type: none"> <li>■ Visa (R)</li> <li>■ MasterCard (O)</li> </ul>
<b>Discount Amount</b>	Discount applied to the item.	Level III (O) Cards: <ul style="list-style-type: none"> <li>■ Visa</li> <li>■ MasterCard</li> </ul>
<b>Discount Indicator</b>	Sales tax applied to the item.	Level III (O) Cards: <ul style="list-style-type: none"> <li>■ Visa</li> <li>■ MasterCard</li> </ul>
<b>Discount_Rate</b>	Rate the item is discounted. Example: 5.25 (=5.25%)	Level III (O) Cards: <ul style="list-style-type: none"> <li>■ MasterCard</li> </ul>
<b>Gross Net Indicator</b>	Flag that indicates if the tax amount is included in the Line Item Total. Possible values: <ul style="list-style-type: none"> <li>■ Y: Item amount includes tax amount</li> <li>■ N: Item amount does not include tax amount</li> </ul>	Not Supported
<b>Local Tax</b>	Sales tax applied to the item.	Level III (O) Cards: <ul style="list-style-type: none"> <li>■ Visa</li> <li>■ MasterCard</li> </ul>
<b>Product SKU</b>	Product's identifier code.	Level III (O) Cards: <ul style="list-style-type: none"> <li>■ Visa</li> <li>■ MasterCard</li> </ul>



**Table 4 Item-Level Field Requirements for FDC Nashville Global (Continued)**

<b>CyberSource Field Name</b>	<b>Description</b>	<b>Used By (Required/Optional)</b>
<b>National Tax</b>	Number of units of the item purchased. Must be a whole number. If you do not provide this value, CyberSource uses 1.	Level III  Cards: <ul style="list-style-type: none"> <li>■ Visa (R)</li> <li>■ MasterCard (Required for reduced interchange)</li> </ul>
<b>Product Code</b>	Product code for the item. In the United States, this may be a UPC code, part number, or product number.	Level III  Cards: <ul style="list-style-type: none"> <li>■ Visa (R)</li> <li>■ MasterCard (Required for reduced interchange)</li> </ul>
<b>Product Name</b>	Text description of the item.	Not supported
<b>Quantity</b>	Number of units of the item purchased. Must be a whole number. If you do not provide this value, CyberSource uses 1.	Level III  Cards: <ul style="list-style-type: none"> <li>■ Visa (R)</li> <li>■ MasterCard (Required for reduced interchange)</li> </ul>

Table 4 Item-Level Field Requirements for FDC Nashville Global (Continued)

CyberSource Field Name	Description	Used By (Required/Optional)
<b>Tax Amount</b>	<p>Total tax to apply to the product. This value cannot be negative. The <b>tax_amount</b> field is additive. For example, if you include the following offer lines:</p> <p>Item 1 amount=10.00 quantity=1 tax_amount:0.80</p> <p>Item 2 amount:20.00 quantity:1 tax_amount:1.60</p> <p>the total amount authorized will be for \$32.40, not \$30.00 with \$2.40 of tax included. The <b>tax_amount</b> and the <b>amount</b> must be in the same currency.</p> <p>If you want to include <b>tax_amount</b> and also request the <b>ics_tax</b> service, see the <a href="#">Tax Calculation Implementation Guide</a>.</p> <p><b>Note</b> This value is the sales tax. For Visa transactions, this value must be between 0.1% and 22% of the total sale.</p>	<p>Level II (R)</p> <p>Cards:</p> <ul style="list-style-type: none"> <li>■ Visa</li> <li>■ MasterCard</li> <li>■ American Express</li> </ul>
<b>Tax Rate</b>	Tax rate applied to the item.	<p>Level III</p> <p>Cards:</p> <ul style="list-style-type: none"> <li>■ Visa (O)</li> <li>■ MasterCard (R)</li> </ul>
<b>Tax Type Applied</b>	Type of tax being applied to the item.	<p>Level III (O)</p> <p>Cards:</p> <ul style="list-style-type: none"> <li>■ MasterCard</li> </ul>
<b>Total Amount</b>	Total purchase amount for the item. Normally calculated as the unit price x quantity.	<p>Level III (R)</p> <p>Cards:</p> <ul style="list-style-type: none"> <li>■ Visa</li> <li>■ MasterCard (Do not use all zeros or spaces.)</li> </ul>

**Table 4 Item-Level Field Requirements for FDC Nashville Global (Continued)**

<b>CyberSource Field Name</b>	<b>Description</b>	<b>Used By (Required/Optional)</b>
<b>Unit of Measure</b>	Unit of measure, or unit of measure code, for the item.	Level III Cards: <ul style="list-style-type: none"> <li>■ Visa (R)</li> <li>■ MasterCard (Required for reduced interchange)</li> </ul>
<b>VAT Rate</b>	Rate used to calculate VAT	Not supported

# GPN

## Order-Level Fields Required for GPN

Table 5 Order-Level Field Requirements for GPN

CyberSource Field Name	Description	Used By (Required/Optional)
<b>Alternate Tax Amount</b>	Total amount of alternate tax for the order. Maximum amount is 99,999.99.	Level III (O) Cards: ■ Visa
<b>Alternate Tax Indicator</b>	Indicates if the order includes alternate tax. Possible values: ■ N (Default) ■ Y (if checked)	Not supported
<b>Alternate Tax ID</b>	Merchant's tax ID number to use for the alternate tax amount.	Not supported
<b>Transaction Advice Addendum 1-4</b>	Four Transaction Advice Addendum fields. These fields are used to display descriptive information about a transaction on the consumer's American Express card statement. If you are sending any TAA fields, start with invoiceHeader_TAA1, then ...TAA2, and so on. Skipping a TAA field causes subsequent TAA fields to be ignored.	Not supported
<b>Duty Amount</b>	Total charges for any import or export duties included in the order. Maximum amount is 99,999.99.	Level III (O) Cards: ■ Visa ■ MasterCard
<b>Freight Amount</b>	Total freight or shipping and handling charges for the order. Maximum amount is 99,999.99.	Level III (O) Cards: ■ Visa ■ MasterCard

Table 5 Order-Level Field Requirements for GPN (Continued)

CyberSource Field Name	Description	Used By (Required/Optional)
<b>Purchase Order Number</b>	Customer's purchase order number.	Level II (O) Cards: <ul style="list-style-type: none"> <li>■ Visa</li> <li>■ MasterCard</li> </ul> Level III (O) Cards: <ul style="list-style-type: none"> <li>■ Visa</li> <li>■ MasterCard</li> </ul>
<b>Local Tax</b>	Amount of local sales tax for the order.	Not supported
<b>Local Tax Indicator</b>	Indicates if the order includes local tax. This field is not included in the request when you select the following: <ul style="list-style-type: none"> <li>■ The default setting</li> <li>■ Local Tax Not Included</li> <li>■ Local Tax Included</li> <li>■ Tax Exempt</li> </ul>	Not supported
<b>Merchant VAT Registration Number</b>	Merchant's government-assigned tax identification number.	Level III (O) Cards: <ul style="list-style-type: none"> <li>■ Visa</li> <li>■ MasterCard</li> </ul>
<b>National Tax</b>	National tax for the order. Maximum amount is 99,999.99.	Level III (O) Cards: <ul style="list-style-type: none"> <li>■ Visa</li> </ul>
<b>National Tax Indicator</b>	Indicates if the order includes national tax. Possible values: <ul style="list-style-type: none"> <li>■ 0 (Default)</li> <li>■ 1 (if checked)</li> </ul>	Not supported
<b>Order Discount Amount</b>	Total discount applied to the order. For example: a \$20 discount off the order total. Maximum amount is 99,999.99.	Level III (O) Cards: <ul style="list-style-type: none"> <li>■ Visa</li> <li>■ MasterCard</li> </ul>
<b>Purchaser Code</b>	Customer ID reference number that identifies the customer for a Level II transaction.	Not supported

**Table 5 Order-Level Field Requirements for GPN (Continued)**

<b>CyberSource Field Name</b>	<b>Description</b>	<b>Used By (Required/Optional)</b>
<b>Purchaser Order Date</b>	Date the order was processed. Format: YYMMDD.	Level III (O) Cards: <ul style="list-style-type: none"> <li>■ Visa</li> <li>■ MasterCard</li> </ul>
<b>Purchaser VAT Registration Number</b>	Customer's government-assigned tax identification number.	Level III (O) Cards: <ul style="list-style-type: none"> <li>■ Visa</li> <li>■ MasterCard</li> </ul>
<b>Ship From Postal/Zip Code</b>	<p>Postal code for the address from which the goods are shipped, which is used to determine nexus. The default is the postal code associated with your CyberSource account. The postal code must consist of 5 to 9 digits.</p> <p>If the billing country is the U.S., the 9-digit postal code must follow this format:  [ 5 digits ][ dash ][ 4 digits ]  Example: 12345-6789</p> <p>If the billing country is Canada, the 6-digit postal code must follow this format:  [ alpha ][ numeric ][ alpha a ]  [ space ][ numeric ][ alpha a ]  [ numeric ]  Example: A1B 2C4</p>	Level III (O) Cards: <ul style="list-style-type: none"> <li>■ Visa</li> <li>■ MasterCard</li> </ul>
<b>Summary Commodity Code</b>	International description code of the overall order's goods or services. Contact your acquirer or GPN for a list of codes.	Level III (O) Cards: <ul style="list-style-type: none"> <li>■ Visa</li> <li>■ MasterCard</li> </ul>
<b>Supplier Order Reference Number</b>	Text description of the item.	Level III (O) Cards: <ul style="list-style-type: none"> <li>■ Visa</li> <li>■ MasterCard</li> </ul>

**Table 5 Order-Level Field Requirements for GPN (Continued)**

<b>CyberSource Field Name</b>	<b>Description</b>	<b>Used By (Required/Optional)</b>
<b>Taxable</b>	Indicates if an order is taxable. Possible values: <ul style="list-style-type: none"> <li>■ N (Default)</li> <li>■ Y (if checked)</li> </ul>	Not supported
<b>VAT Invoice Reference Number</b>	VAT invoice number associated with the transaction.	Not supported
<b>VAT Tax Amount</b>	Tax amount applied to freight/ shipping costs.	Level III (O) Cards: <ul style="list-style-type: none"> <li>■ Visa</li> </ul>
<b>VAT Tax Rate</b>	Tax rate applied to freight / shipping costs. Example: 0.040 (=4%)	Level III (O) Cards: <ul style="list-style-type: none"> <li>■ Visa</li> </ul>

## Item-Level Fields Required for GPN

**Table 6** Item-Level Field Requirements for GPN

CyberSource Field Name	Description	Used By (Required/Optional)
<b>Alternate Tax Amount</b>	Amount of alternate tax for the item.	Not supported
<b>Alternate Tax ID</b>	Merchant's tax ID number to use for the alternate tax amount.	Not supported
<b>Alternate Tax Rate</b>	Tax rate applied to the item.	Level III (O) Cards: <ul style="list-style-type: none"> <li>■ Visa</li> <li>■ MasterCard</li> </ul>
<b>Alternate Tax Type Applied</b>	MasterCard: Flag that defines tax categories for domestic processing in certain locations. Visa: VAT or other tax type	Not supported
<b>Alternate Tax Type</b>	Flag that indicates the type of tax collected	Not supported
<b>Unit Price</b>	Unit cost of the item purchased. Maximum amount is 99,999.99.  <b>Note</b> For each offer line that you include in a request, you must include a Unit Price field.	Level II (O) Cards: <ul style="list-style-type: none"> <li>■ Visa</li> <li>■ MasterCard</li> </ul> Level III (O) Cards: <ul style="list-style-type: none"> <li>■ Visa</li> <li>■ MasterCard</li> </ul>
<b>Commodity Code</b>	International description code used to classify the item. Contact your acquirer or GPN for a list of codes.	Level III (O) Cards: <ul style="list-style-type: none"> <li>■ Visa</li> <li>■ MasterCard</li> </ul>
<b>Discount Amount</b>	Discount applied to the item. Maximum amount is 99,999.99.	Level III (O) Cards: <ul style="list-style-type: none"> <li>■ Visa</li> <li>■ MasterCard</li> </ul>
<b>Discount Indicator</b>	Flag that indicates if the amount is discounted. Possible values: <ul style="list-style-type: none"> <li>■ N (Default)</li> <li>■ Y (if checked)</li> </ul>	Not supported



Table 6 Item-Level Field Requirements for GPN (Continued)

CyberSource Field Name	Description	Used By (Required/Optional)
<b>Discount_Rate</b>	Rate the item is discounted. Example: 5.25 (=5.25%)	Level III (O) Cards: ■ MasterCard
<b>Gross Net Indicator</b>	Flag that indicates if the tax amount is included in the Line Item Total. Possible values: ■ N (Default) ■ Y (if checked)	Not supported
<b>Local Tax</b>	Sales tax applied to the item.	Not supported
<b>Product SKU</b>	Product's identifier code.	Not supported
<b>National Tax</b>	Amount of national tax or value added tax for countries where more than one tax is applied.	Not supported
<b>Product Code</b>	Product code for the item. In the United States, this may be a UPC code, part number, or product number. If you do not provide this value, CyberSource uses default.	Level III (O) Cards: ■ Visa ■ MasterCard
<b>Product Name</b>	Text description of the item.	Not supported
<b>Quantity</b>	Number of units of the item purchased. Must be a whole number. If you do not provide this value, CyberSource uses 1.	Level III (O) Cards: ■ Visa ■ MasterCard

Table 6 Item-Level Field Requirements for GPN (Continued)

CyberSource Field Name	Description	Used By (Required/Optional)
<b>Tax Amount</b>	<p>Total tax to apply to the product. This value cannot be negative. The <b>Tax Amount</b> field is additive. For example, if you include the following offer lines:</p> <p>Item 1=amount:10.00 quantity:1 tax_amount:0.80</p> <p>Item 2=amount:20.00 quantity:1 tax_amount:1.60</p> <p>the total amount authorized will be for \$32.40, not \$30.00 with \$2.40 of tax included. The <b>Tax Amount</b> and the <b>Unit Price</b> must be in the same currency.</p> <p>Maximum amount is 99,999.99.</p> <p><b>Note</b> For Level II, this value is the sales tax. For Visa Level II transactions, this value must be zero or must be between 0.1% and 22% of the total sale.</p>	<p>Level II (O)</p> <p>Cards:</p> <ul style="list-style-type: none"> <li>■ Visa</li> <li>■ MasterCard</li> </ul> <p>Level III (O)</p> <p>Cards:</p> <ul style="list-style-type: none"> <li>■ Visa</li> <li>■ MasterCard</li> </ul>
<b>Tax Rate</b>	Tax rate applied to the item.	Not supported
<b>Tax Type Applied</b>	Type of tax being applied to the item	Not supported
<b>Total Amount</b>	Total purchase amount for the item	Not supported
<b>Unit of Measure</b>	Unit of measure for the item.	<p>Level III (O)</p> <p>Cards:</p> <ul style="list-style-type: none"> <li>■ Visa</li> <li>■ MasterCard</li> </ul>
<b>VAT Rate</b>	Rate used to calculate VAT	Not supported

# RBS WorldPay Atlanta

## Order-Level Fields Required for RBS WorldPay Atlanta

Table 7 Order-Level Field Requirements for RBS WorldPay Atlanta

CyberSource Field Name	Description	Used By (Required/Optional)
<b>Alternate Tax Amount</b>	Total amount of alternate tax included in the order. Amount cannot be greater than \$999999.99.	Level III (O) Cards: ■ MasterCard
<b>Alternate Tax Indicator</b>	Indicates if the alternate tax amount is included in the request. Possible values: ■ N: Alternate tax amount is not included in the request. ■ Y: Alternate tax amount is included in the request.	Level III (O) Cards: ■ MasterCard
<b>Alternate Tax ID</b>	Merchant's tax ID number to use for the alternate tax amount.	Not supported
<b>Transaction Advice Addendum 1-4</b>	Four Transaction Advice Addendum fields. These fields are used to display descriptive information about a transaction on the consumer's American Express card statement. If you are sending any TAA fields, start with invoiceHeader_amexDataTAA1, then ...TAA2, and so on. Skipping a TAA field causes subsequent TAA fields to be ignored.  Contact CyberSource Customer Support if you plan to use these fields so that your account can be configured appropriately.	Not supported
<b>Duty Amount</b>	Total charges for any import or export duties included in the order.	Level III (O) Cards: ■ Visa ■ MasterCard

**Table 7 Order-Level Field Requirements for RBS WorldPay Atlanta (Continued)**

<b>CyberSource Field Name</b>	<b>Description</b>	<b>Used By (Required/Optional)</b>
<b>Freight Amount</b>	Total freight or shipping and handling charges for the order.	Level III (O) Cards: <ul style="list-style-type: none"> <li>■ Visa</li> <li>■ MasterCard</li> </ul>
<b>Purchase Order Number</b>	Customer's purchase order number.	Level II (Required for purchase/procurement cards; optional otherwise. Do not use all zeros or nines.) Cards: <ul style="list-style-type: none"> <li>■ Visa</li> <li>■ MasterCard</li> </ul> Level III (Required for purchase/procurement cards; optional otherwise. Do not use all zeros or nines.) Cards: <ul style="list-style-type: none"> <li>■ Visa</li> <li>■ MasterCard</li> </ul>
<b>Local Tax</b>	Amount of local sales tax for the order.	Not supported
<b>Local Tax Indicator</b>	Indicates if the order includes local tax. This field is not included in the request when you select the following: <ul style="list-style-type: none"> <li>■ The default setting</li> <li>■ Local Tax Not Included</li> <li>■ Local Tax Included</li> <li>■ Tax Exempt</li> </ul>	Not supported
<b>Merchant VAT Registration Number</b>	Merchant's government-assigned tax identification number.	Level III (O) Cards: <ul style="list-style-type: none"> <li>■ Visa</li> </ul>
<b>National Tax</b>	Amount of national sales tax or value-added tax for the order.	Not supported
<b>National Tax Indicator</b>	Indicates if the order includes national tax. Possible values: <ul style="list-style-type: none"> <li>■ 0 (Default)</li> <li>■ 1 (if checked)</li> </ul>	Not supported

**Table 7 Order-Level Field Requirements for RBS WorldPay Atlanta (Continued)**

<b>CyberSource Field Name</b>	<b>Description</b>	<b>Used By (Required/Optional)</b>
<b>Order Discount Amount</b>	Total discount applied to the order. For example: a \$20 discount off the order total. Discount amount cannot be greater than \$999999.99.	Level III (O) Cards: ■ Visa
<b>Purchaser Code</b>	Customer ID reference number that identifies the customer for a Level II transaction.	Not supported
<b>Purchaser Order Date</b>	Date the order was processed. Format: YYMMDD.	Level III (R) Cards: ■ Visa
<b>Purchaser VAT Registration Number</b>	Customer's government-assigned tax identification number.	Level III (O) Cards: ■ Visa
<b>Ship From Postal/Zip Code</b>	Postal code for the address from which the goods are shipped, which is used to determine nexus. The default is the postal code associated with your CyberSource account. The postal code must consist of 5 to 9 digits.  If the billing country is the U.S., the 9-digit postal code must follow this format: [5 digits][dash] [4 digits] Example: 12345-6789  If the billing country is Canada, the 6-digit postal code must follow this format: [alpha][numeric][alpha][space][numeric][alpha] [numeric] Example: A1B 2C4	Level III Cards: ■ Visa (Recommended) ■ MasterCard (Recommended)
<b>Summary Commodity Code</b>	International description code of the overall order's goods or services. Contact your acquirer for a list of codes.	Level III (O) Cards: ■ Visa
<b>Supplier Order Reference Number</b>	Text description of the item.	Not supported

**Table 7 Order-Level Field Requirements for RBS WorldPay Atlanta (Continued)**

<b>CyberSource Field Name</b>	<b>Description</b>	<b>Used By (Required/Optional)</b>
<b>Taxable</b>	Indicates if an order is taxable.  Possible values: <ul style="list-style-type: none"> <li>■ N: The order is taxable.</li> <li>■ Y: The order is tax exempt</li> </ul> If the taxable amount is 0, the tax indicator is required.	Level II (O)  Cards: <ul style="list-style-type: none"> <li>■ Visa</li> <li>■ MasterCard</li> </ul> Level III (O) <ul style="list-style-type: none"> <li>■ Visa</li> <li>■ MasterCard</li> </ul>
<b>VAT Invoice Reference Number</b>	VAT invoice number associated with the transaction.	Level III (O)  Cards: <ul style="list-style-type: none"> <li>■ Visa</li> </ul>
<b>VAT Tax Amount</b>	Total amount of VAT or other tax included in the order. Amount cannot be greater than \$999999.99.	Level III (O)  Cards: <ul style="list-style-type: none"> <li>■ Visa</li> </ul>
<b>VAT Tax Rate</b>	Rate of VAT or other tax for the order.  Example: 0.0400 (=4%)  Valid range: 0.0001 to 0.9999 (0.01% to 99.99%)	Level III (O)  Cards: <ul style="list-style-type: none"> <li>■ Visa</li> </ul>

## Item-Level Fields Required for RBS WorldPay Atlanta

**Table 8 Item-Level Field Requirements for RBS WorldPay Atlanta**

<b>CyberSource Field Name</b>	<b>Description</b>	<b>Used By (Required/Optional)</b>
<b>Alternate Tax Amount</b>	Amount of alternate tax for the item.	Not supported
<b>Alternate Tax ID</b>	Merchant's tax ID number to use for the alternate tax amount.  Provide this field if you include Alternate Tax Amount in the request.  You may send this field without sending Alternate Tax Amount.	Level III (See description)  Cards: <ul style="list-style-type: none"> <li>■ MasterCard</li> </ul>
<b>Alternate Tax Rate</b>	MasterCard: Tax rate for a type of tax collected. Visa: VAT or other tax rate	Not supported

**Table 8 Item-Level Field Requirements for RBS WorldPay Atlanta (Continued)**

<b>CyberSource Field Name</b>	<b>Description</b>	<b>Used By (Required/Optional)</b>
<b>Alternate Tax Type Applied</b>	MasterCard: Flag that defines tax categories for domestic processing in certain locations. Visa: VAT or other tax type.	Not supported
<b>Alternate Tax Type</b>	Flag that indicates the type of tax collected	Not supported
<b>Unit Price</b>	Unit cost of the item purchased.	Not supported
<b>Commodity Code</b>	International description code used to classify the item. Contact your acquirer for a list of codes.	Level III (R) Cards: ■ Visa
<b>Discount Amount</b>	Discount applied to the item.	Level III (O) Cards: ■ Visa ■ MasterCard
<b>Discount Indicator</b>	Flag that indicates if the amount is discounted. Possible values: ■ N (Default) ■ Y (if checked)	Not supported
<b>Discount_Rate</b>	Rate the item is discounted. Example: 5.25 (=5.25%) Maximum amount is 99.99.	Level III (O) Cards: ■ MasterCard
<b>Gross Net Indicator</b>	Flag that indicates if the tax amount is included in the Line Item Total. Possible values: ■ Y: Item amount includes tax amount ■ N: Item amount does not include tax amount	Level III (R) Cards: ■ MasterCard
<b>Local Tax</b>	Amount of local sales tax for the order.	Not supported
<b>Product SKU</b>	Product's identifier code	Not supported
<b>National Tax</b>	Amount of national sales tax or value-added tax for the order.	Not supported
<b>Product Code</b>	Product code for the item. In the United States, this may be a UPC code, part number, or product number. If you do not provide this value, CyberSource uses default.	Level III Cards: ■ Visa (R) ■ MasterCard (R)

Table 8 Item-Level Field Requirements for RBS WorldPay Atlanta (Continued)

CyberSource Field Name	Description	Used By (Required/Optional)
Product Name	Text description of the item.	Level III Cards: <ul style="list-style-type: none"> <li>■ Visa (R)</li> <li>■ MasterCard (R. Do not use all zeros or spaces.)</li> </ul>
Quantity	The quantity of the items purchased. Cannot be more than 999999.99.	Level III (Recommended for best rate) Cards: <ul style="list-style-type: none"> <li>■ Visa</li> <li>■ MasterCard</li> </ul>
Tax Amount	<p>Total tax to apply to the product. This value cannot be negative. If no tax is present, you can send in a value of 0.</p> <p>The <b>Tax Amount</b> field is additive. For example, if you include the following offer lines:</p> <p>Item 1=amount:10.00 quantity:1 tax_amount:0.80</p> <p>Item 2=amount:20.00 quantity:1 tax_amount:1.60</p> <p>The total amount authorized will be for \$32.40, not \$30.00 with \$2.40 of tax included. The <b>Tax Amount</b> and the <b>Unit Price</b> must be in the same currency.</p>	<p>Level II (R)</p> <p>Cards:</p> <ul style="list-style-type: none"> <li>■ Visa</li> <li>■ MasterCard</li> </ul> <p>Level III (R)</p> <p>Cards:</p> <ul style="list-style-type: none"> <li>■ Visa</li> <li>■ MasterCard</li> </ul>
Tax Rate	<p>Tax rate applied to the item.</p> <p>Valid range is 0.0001 to 0.9999 (0.01% to 99.99%). The value can also be zero.</p>	<p>Level III</p> <p>Cards:</p> <ul style="list-style-type: none"> <li>■ Visa (O)</li> <li>■ MasterCard (O)</li> </ul>



**Table 8 Item-Level Field Requirements for RBS WorldPay Atlanta (Continued)**

<b>CyberSource Field Name</b>	<b>Description</b>	<b>Used By (Required/Optional)</b>
<b>Tax Type Applied</b>	<p>Type of tax being applied to the item. Possible values:</p> <ul style="list-style-type: none"> <li>■ 0000: Unknown tax type</li> <li>■ 0001: Federal/National sales tax</li> <li>■ 0002: State sales tax</li> <li>■ 0003: City sales tax</li> <li>■ 0004: Local sales tax</li> <li>■ 0005: Municipal sales tax</li> <li>■ 0006: Other tax</li> <li>■ 0010: Value added tax</li> <li>■ 0011: Goods and services tax</li> <li>■ 0012: Provincial sales tax</li> <li>■ 0013: Harmonized sales tax</li> <li>■ 0014: Quebec sales tax (QST)</li> <li>■ 0020: Room tax</li> <li>■ 0021: Occupancy tax</li> <li>■ 0022: Energy tax</li> </ul> <p>Blank: Tax not supported on line item.</p>	<p>Level III (R)</p> <p>Cards:</p> <ul style="list-style-type: none"> <li>■ MasterCard</li> </ul>
<b>Total Amount</b>	<p>Total purchase amount for the item. Normally calculated as the unit price x quantity.</p>	<p>Level III (R)</p> <p>Cards:</p> <ul style="list-style-type: none"> <li>■ Visa</li> <li>■ MasterCard (Do not use all zeros or spaces.)</li> </ul>
<b>Unit of Measure</b>	<p>Unit of measure, or unit of measure code, for the item.</p>	<p>Level III</p> <p>Cards:</p> <ul style="list-style-type: none"> <li>■ Visa (R)</li> <li>■ MasterCard (R)</li> </ul>
<b>VAT Rate</b>	<p>Rate used to calculate VAT.</p>	<p>Not supported</p>

# FDC Compass

## Order-Level Fields Required for FDC Compass

**Table 9 Order-Level Field Requirements for FDC Compass**

CyberSource Field Name	Description	Used By (Required/Optional)
<b>Alternate Tax Amount</b>	Total amount of alternate tax included in the order. Amount cannot be greater than \$999999.99.	Level III (O) Cards: ■ MasterCard
<b>Alternate Tax Indicator</b>	Indicates if the alternate tax amount is included in the request. Possible values:  ■ N: Alternate tax amount is not included in the request.  ■ Y: Alternate tax amount is included in the request.	Not supported
<b>Alternate Tax ID</b>	Merchant's tax ID number to use for the alternate tax amount.  Required if you set Alternate Tax Amount to any value, including zero. You may send this field without sending Alternate Tax Amount.	Level III (See description) Cards: ■ MasterCard

**Table 9 Order-Level Field Requirements for FDC Compass (Continued)**

<b>CyberSource Field Name</b>	<b>Description</b>	<b>Used By (Required/Optional)</b>
<b>Transaction Advice Addendum 1-4</b>	<p>Four Transaction Advice Addendum fields. These fields are used to display descriptive information about a transaction on the consumer's American Express card statement. If you are sending any TAA fields, start with invoiceHeader_ amexDataTAA1, then ...TAA2, and so on. Skipping a TAA field causes subsequent TAA fields to be ignored.</p> <p>Contact CyberSource Customer Support if you plan to use these fields so that your account can be configured appropriately.</p> <p>Transaction Advice Addendum 1 is required for Level II transactions for American Express cards, but the other TAA fields are optional.</p>	<p>Level II (see description)</p> <ul style="list-style-type: none"> <li>■ Cards: American Express</li> </ul>
<b>Duty Amount</b>	Total charges for any import or export duties included in the order.	<p>Level III (O)</p> <p>Cards:</p> <ul style="list-style-type: none"> <li>■ Visa</li> <li>■ MasterCard</li> </ul>
<b>Freight Amount</b>	Total freight or shipping and handling charges for the order.	<p>Level III (O)</p> <p>Cards:</p> <ul style="list-style-type: none"> <li>■ Visa</li> <li>■ MasterCard</li> </ul>

**Table 9 Order-Level Field Requirements for FDC Compass (Continued)**

<b>CyberSource Field Name</b>	<b>Description</b>	<b>Used By (Required/Optional)</b>
<b>Purchase Order Number</b>	Customer's purchase order number.	Level II (Required for purchase/procurement cards; optional otherwise. Do not use all zeros or nines.)  Cards: <ul style="list-style-type: none"> <li>■ Visa</li> <li>■ MasterCard</li> </ul> Level III (Required for purchase/procurement cards; optional otherwise. Do not use all zeros or nines.)  Cards: <ul style="list-style-type: none"> <li>■ Visa</li> <li>■ MasterCard</li> </ul>
<b>Local Tax</b>	Amount of local sales tax for the order.	Not supported
<b>Local Tax Indicator</b>	Indicates if the order includes local tax. This field is not included in the request when you select the following: <ul style="list-style-type: none"> <li>■ The default setting</li> <li>■ Local Tax Not Included</li> <li>■ Local Tax Included</li> <li>■ Tax Exempt</li> </ul>	Not supported
<b>Merchant VAT Registration Number</b>	Merchant's government-assigned tax identification number.	Not supported
<b>National Tax</b>	Amount of national sales tax or value-added tax for the order.	Not supported
<b>National Tax Indicator</b>	Indicates if the order includes national tax. Possible values: <ul style="list-style-type: none"> <li>■ 0 (Default)</li> <li>■ 1 (if checked)</li> </ul>	Not supported
<b>Order Discount Amount</b>	Total discount applied to the order. For example: a \$20 discount off the order total. Discount amount cannot be greater than \$999999.99.	Level III (O)  Cards: <ul style="list-style-type: none"> <li>■ Visa</li> </ul>

**Table 9 Order-Level Field Requirements for FDC Compass (Continued)**

<b>CyberSource Field Name</b>	<b>Description</b>	<b>Used By (Required/Optional)</b>
<b>Purchaser Code</b>	Customer ID reference number that identifies the customer for a Level II transaction.	Not supported
<b>Purchaser Order Date</b>	Date the order was processed. Format: YYMMDD.	Not supported
<b>Purchaser VAT Registration Number</b>	Customer's government-assigned tax identification number.	Not supported
<b>Ship From Postal/Zip Code</b>	<p>Postal code for the address from which the goods are shipped, which is used to determine nexus. The default is the postal code associated with your CyberSource account. The postal code must consist of 5 to 9 digits.</p> <p>If the billing country is the U.S., the 9-digit postal code must follow this format: [5 digits][dash] [4 digits] Example: 12345-6789</p> <p>If the billing country is Canada, the 6-digit postal code must follow this format: [alpha][numeric][alpha][space][numeric][alpha] [numeric] Example: A1B 2C4</p>	<p>Level III</p> <p>Cards:</p> <ul style="list-style-type: none"> <li>■ Visa (Recommended)</li> <li>■ MasterCard (Required for best rate. Do not use all zeros or nines.)</li> </ul>
<b>Summary Commodity Code</b>	International description code of the overall order's goods or services. Contact your acquirer for a list of codes.	Not supported
<b>Supplier Order Reference Number</b>	Text description of the item.	Not supported
<b>Taxable</b>	<p>Indicates if an order is taxable.</p> <p>Possible values:</p> <ul style="list-style-type: none"> <li>■ N: The order is taxable.</li> <li>■ Y: The order is tax exempt</li> </ul> <p>If the taxable amount is 0, the tax indicator is required.</p>	Not supported
<b>VAT Invoice Reference Number</b>	VAT invoice number associated with the transaction.	Not supported

**Table 9 Order-Level Field Requirements for FDC Compass (Continued)**

<b>CyberSource Field Name</b>	<b>Description</b>	<b>Used By (Required/Optional)</b>
<b>VAT Tax Amount</b>	Total amount of VAT or other tax included in the order. Amount cannot be greater than \$999999.99.	Level III (O) Cards: ■ Visa
<b>VAT Tax Rate</b>	Rate of VAT or other tax for the order. Example: 0.0400 (=4%) Valid range: 0.0001 to 0.9999 (0.01% to 99.99%)	Level III (O) Cards: ■ Visa

## Item-Level Fields Required for FDC Compass

**Table 10 Item-Level Field Requirements for FDC Compass**

<b>CyberSource Field Name</b>	<b>Description</b>	<b>Used By (Required/Optional)</b>
<b>Alternate Tax Amount</b>	Amount of alternate tax for the item.	Not supported
<b>Alternate Tax ID</b>	Merchant's tax ID number to use for the alternate tax amount.  Provide this field if you include Alternate Tax Amount in the request.  You may send this field without sending Alternate Tax Amount.	Not supported
<b>Alternate Tax Rate</b>	MasterCard: Tax rate for a type of tax collected. Visa: VAT or other tax rate	Not supported
<b>Alternate Tax Type Applied</b>	MasterCard: Flag that defines tax categories for domestic processing in certain locations. Visa: VAT or other tax type.	Not supported
<b>Alternate Tax Type</b>	Flag that indicates the type of tax collected	Not supported
<b>Unit Price</b>	Unit cost of the item purchased.	Level II (R)  Cards: <ul style="list-style-type: none"> <li>■ Visa</li> <li>■ MasterCard</li> <li>■ American Express</li> </ul> Level III (R) Cards: <ul style="list-style-type: none"> <li>■ Visa</li> <li>■ MasterCard</li> </ul>
<b>Commodity Code</b>	International description code used to classify the item. Contact your acquirer for a list of codes.	Level III (O)  Cards: <ul style="list-style-type: none"> <li>■ Visa</li> </ul>
<b>Discount Amount</b>	Discount applied to the item.	Level III (O)  Cards: <ul style="list-style-type: none"> <li>■ Visa</li> <li>■ MasterCard</li> </ul>

**Table 10 Item-Level Field Requirements for FDC Compass (Continued)**

<b>CyberSource Field Name</b>	<b>Description</b>	<b>Used By (Required/Optional)</b>
<b>Discount Indicator</b>	Flag that indicates if the amount is discounted. Possible values: <ul style="list-style-type: none"> <li>■ N (Default)</li> <li>■ Y (if checked)</li> </ul>	Level III (O) Cards: <ul style="list-style-type: none"> <li>■ MasterCard</li> </ul>
<b>Discount_Rate</b>	Rate the item is discounted. Example: 5.25 (=5.25%) Maximum amount is 99.99.	Not supported
<b>Gross Net Indicator</b>	Flag that indicates if the tax amount is included in the Line Item Total. Possible values: <ul style="list-style-type: none"> <li>■ Y: Item amount includes tax amount</li> <li>■ N: Item amount does not include tax amount</li> </ul>	Level III (R) Cards: <ul style="list-style-type: none"> <li>■ MasterCard</li> </ul>
<b>Local Tax</b>	Amount of local sales tax for the order.	Not supported
<b>Product SKU</b>	Product's identifier code	Not supported
<b>National Tax</b>	Amount of national sales tax or value-added tax for the order.	Not supported
<b>Product Code</b>	Product code for the item. In the United States, this may be a UPC code, part number, or product number. If you do not provide this value, CyberSource uses default.	Level III (Required for Level III interchange) Cards: <ul style="list-style-type: none"> <li>■ Visa</li> <li>■ MasterCard (Do not use all zeros or spaces)</li> </ul>
<b>Product Name</b>	Text description of the item.	Level III (Required for Level III interchange) Cards: <ul style="list-style-type: none"> <li>■ Visa</li> <li>■ MasterCard (Do not use all zeros or spaces)</li> </ul>



Table 10 Item-Level Field Requirements for FDC Compass (Continued)

CyberSource Field Name	Description	Used By (Required/Optional)
<b>Quantity</b>	The quantity of the items purchased. Cannot be more than 999999.99.	Level III (Required for Level III interchange) Cards: <ul style="list-style-type: none"> <li>■ Visa</li> <li>■ MasterCard (Do not use all zeros or spaces)</li> </ul>
<b>Tax Amount</b>	<p>Total tax to apply to the product. This value cannot be negative. If no tax is present, you can send in a value of 0.</p> <p>The <b>Tax Amount</b> field is additive. For example, if you include the following offer lines:</p> <p>Item 1=amount:10.00 quantity:1 tax_amount:0.80</p> <p>Item 2=amount:20.00 quantity:1 tax_amount:1.60</p> <p>The total amount authorized will be for \$32.40, not \$30.00 with \$2.40 of tax included. The <b>Tax Amount</b> and the <b>Unit Price</b> must be in the same currency.</p>	<p>Level II (R)</p> <p>Cards:</p> <ul style="list-style-type: none"> <li>■ Visa</li> <li>■ MasterCard</li> <li>■ American Express</li> </ul> <p>Level III (Required for Level III interchange)</p> <p>Cards:</p> <ul style="list-style-type: none"> <li>■ Visa</li> <li>■ MasterCard</li> </ul>
<b>Tax Rate</b>	<p>Tax rate applied to the item.</p> <p>Valid range is 0.0001 to 0.9999 (0.01% to 99.99%). The value can also be zero.</p>	<p>Level III (Required for Level III interchange)</p> <p>Cards:</p> <ul style="list-style-type: none"> <li>■ Visa</li> <li>■ MasterCard</li> </ul>

**Table 10 Item-Level Field Requirements for FDC Compass (Continued)**

<b>CyberSource Field Name</b>	<b>Description</b>	<b>Used By (Required/Optional)</b>
<b>Tax Type Applied</b>	<p>Type of tax being applied to the item. Possible values:</p> <ul style="list-style-type: none"> <li>■ 0000: Unknown tax type</li> <li>■ 0001: Federal/National sales tax</li> <li>■ 0002: State sales tax</li> <li>■ 0003: City sales tax</li> <li>■ 0004: Local sales tax</li> <li>■ 0005: Municipal sales tax</li> <li>■ 0006: Other tax</li> <li>■ 0010: Value added tax</li> <li>■ 0011: Goods and services tax</li> <li>■ 0012: Provincial sales tax</li> <li>■ 0013: Harmonized sales tax</li> <li>■ 0014: Quebec sales tax (QST)</li> <li>■ 0020: Room tax</li> <li>■ 0021: Occupancy tax</li> <li>■ 0022: Energy tax</li> </ul> <p>Blank: Tax not supported on line item.</p>	<p>Level III (O)</p> <p>Cards:</p> <ul style="list-style-type: none"> <li>■ MasterCard</li> </ul>
<b>Total Amount</b>	<p>Total purchase amount for the item. Normally calculated as the unit price x quantity.</p>	<p>Level III (R)</p> <p>Cards:</p> <ul style="list-style-type: none"> <li>■ Visa</li> <li>■ MasterCard (Do not use all zeros or spaces)</li> </ul>
<b>Unit of Measure</b>	<p>Unit of measure, or unit of measure code, for the item.</p>	<p>Level III (Required for Level III interchange)</p> <p>Cards:</p> <ul style="list-style-type: none"> <li>■ Visa</li> <li>■ MasterCard (Must not be all zeros or spaces)</li> </ul>
<b>VAT Rate</b>	<p>Rate used to calculate VAT.</p>	<p>Not supported</p>

# Chase Paymentech

## Order-Level Fields Required for Chase Paymentech

Table 11 Order-Level Field Requirements for Chase Paymentech

CyberSource Field Name	Description	Used By (Required/Optional)
<b>Alternate Tax Amount</b>	Total amount of alternate tax included in the order. Amount cannot be greater than \$999999.99.	Level III (O) Cards: ■ MasterCard
<b>Alternate Tax Indicator</b>	Indicates if the alternate tax amount is included in the request. Possible values:  ■ N: Alternate tax amount is not included in the request. ■ Y: Alternate tax amount is included in the request.	Not supported
<b>Alternate Tax ID</b>	Merchant's tax ID number to use for the alternate tax amount.  Required if you set Alternate Tax Amount to any value, including zero. You may send this field without sending Alternate Tax Amount.	Level III (See description) Cards: ■ MasterCard

Table 11 Order-Level Field Requirements for Chase Paymentech (Continued)

CyberSource Field Name	Description	Used By (Required/Optional)
<b>Transaction Advice Addendum 1-4</b>	<p>Four Transaction Advice Addendum fields. These fields are used to display descriptive information about a transaction on the consumer's American Express card statement. If you are sending any TAA fields, start with invoiceHeader_ amexDataTAA1, then ...TAA2, and so on. Skipping a TAA field causes subsequent TAA fields to be ignored.</p> <p>Contact CyberSource Customer Support if you plan to use these fields so that your account can be configured appropriately.</p> <p>Transaction Advice Addendum 1 is required for Level II transactions for American Express cards, but the other TAA fields are optional.</p>	<p>Level II (see description)</p> <ul style="list-style-type: none"> <li>■ Cards: American Express</li> </ul>
<b>Duty Amount</b>	Total charges for any import or export duties included in the order.	<p>Level III (Required for Level III interchange)</p> <p>Cards:</p> <ul style="list-style-type: none"> <li>■ Visa</li> <li>■ MasterCard</li> </ul>
<b>Freight Amount</b>	Total freight or shipping and handling charges for the order.	<p>Level III (Required for Level III interchange)</p> <p>Cards:</p> <ul style="list-style-type: none"> <li>■ Visa</li> <li>■ MasterCard</li> </ul>

Table 11 Order-Level Field Requirements for Chase Paymentech (Continued)

CyberSource Field Name	Description	Used By (Required/Optional)
<b>Purchase Order Number</b>	Customer's purchase order number.	Level II (Required for purchase/procurement cards; optional otherwise. Do not use all zeros or nines.)  Cards: <ul style="list-style-type: none"> <li>■ Visa</li> <li>■ MasterCard</li> </ul> Level III (Required for purchase/procurement cards; optional otherwise. Do not use all zeros or nines.)  Cards: <ul style="list-style-type: none"> <li>■ Visa</li> <li>■ MasterCard</li> </ul>
<b>Local Tax</b>	Amount of local sales tax for the order.	Not supported
<b>Local Tax Indicator</b>	Indicates if the order includes local tax. This field is not included in the request when you select the following: <ul style="list-style-type: none"> <li>■ The default setting</li> <li>■ Local Tax Not Included</li> <li>■ Local Tax Included</li> <li>■ Tax Exempt</li> </ul>	Not supported
<b>Merchant VAT Registration Number</b>	Merchant's government-assigned tax identification number.	Not supported
<b>National Tax</b>	Amount of national sales tax or value-added tax for the order.	Not supported
<b>National Tax Indicator</b>	Indicates if the order includes national tax. Possible values: <ul style="list-style-type: none"> <li>■ 0 (Default)</li> <li>■ 1 (if checked)</li> </ul>	Not supported
<b>Order Discount Amount</b>	Total discount applied to the order. For example: a \$20 discount off the order total. Discount amount cannot be greater than \$999999.99.	Level III (Required for Level III interchange)  Cards: <ul style="list-style-type: none"> <li>■ Visa</li> </ul>

Table 11 Order-Level Field Requirements for Chase Paymentech (Continued)

CyberSource Field Name	Description	Used By (Required/Optional)
<b>Purchaser Code</b>	Customer ID reference number that identifies the customer for a Level II transaction.	Not supported
<b>Purchaser Order Date</b>	Date the order was processed. Format: YYMMDD.	Not supported
<b>Purchaser VAT Registration Number</b>	Customer's government-assigned tax identification number.	Not supported
<b>Ship From Postal/Zip Code</b>	Postal code for the address from which the goods are shipped, which is used to determine nexus. The default is the postal code associated with your CyberSource account. The postal code must consist of 5 to 9 digits.  If the billing country is the U.S., the 9-digit postal code must follow this format: [5 digits][dash] [4 digits] Example: 12345-6789  If the billing country is Canada, the 6-digit postal code must follow this format: [alpha][numeric][alpha][space][numeric][alpha] [numeric] Example: A1B 2C4	Level III  Cards: <ul style="list-style-type: none"> <li>■ Visa (Recommended)</li> <li>■ MasterCard (Required for best rate. Do not use all zeros or nines.)</li> </ul>
<b>Summary Commodity Code</b>	International description code of the overall order's goods or services. Contact your acquirer for a list of codes.	Not supported
<b>Supplier Order Reference Number</b>	Text description of the item.	Not supported
<b>Taxable</b>	Indicates if an order is taxable.  Possible values: <ul style="list-style-type: none"> <li>■ N: The order is taxable.</li> <li>■ Y: The order is tax exempt</li> </ul> If the taxable amount is 0, the tax indicator is required.	Not supported

Table 11 Order-Level Field Requirements for Chase Paymentech (Continued)

CyberSource Field Name	Description	Used By (Required/Optional)
User PO	Customer's purchase order number. CyberSource recommends that you do not populate the field with all zeros or nines.	<p>Level II (Required for purchase/procurement cards; optional otherwise)</p> <p>Cards:</p> <ul style="list-style-type: none"> <li>■ Visa</li> <li>■ MasterCard</li> <li>■ American Express</li> </ul> <p>Level III (Required for purchase/procurement cards; optional otherwise)</p> <p>Cards:</p> <ul style="list-style-type: none"> <li>■ Visa</li> <li>■ MasterCard</li> </ul>
VAT Invoice Reference Number	VAT invoice number associated with the transaction.	Not supported
VAT Tax Amount	Total amount of VAT or other tax included in the order. Amount cannot be greater than \$999999.99.	<p>Level III (O)</p> <p>Cards:</p> <ul style="list-style-type: none"> <li>■ Visa</li> </ul>
VAT Tax Rate	<p>Rate of VAT or other tax for the order.</p> <p>Example: 0.0400 (=4%)</p> <p>Valid range: 0.0001 to 0.9999 (0.01% to 99.99%)</p>	<p>Level III (O)</p> <p>Cards:</p> <ul style="list-style-type: none"> <li>■ Visa</li> </ul>

## Item-Level Fields Required for Chase Paymentech

**Table 12 Item-Level Field Requirements for Chase Paymentech**

CyberSource Field Name	Description	Used By (Required/Optional)
<b>Alternate Tax Amount</b>	Amount of alternate tax for the item.	Not supported
<b>Alternate Tax ID</b>	Merchant's tax ID number to use for the alternate tax amount.  Provide this field if you include Alternate Tax Amount in the request.  You may send this field without sending Alternate Tax Amount.	Not supported
<b>Alternate Tax Rate</b>	MasterCard: Tax rate for a type of tax collected. Visa: VAT or other tax rate	Not supported
<b>Alternate Tax Type Applied</b>	MasterCard: Flag that defines tax categories for domestic processing in certain locations. Visa: VAT or other tax type.	Not supported
<b>Alternate Tax Type</b>	Flag that indicates the type of tax collected	Not supported
<b>Commodity Code</b>	International description code used to classify the item. Contact your acquirer for a list of codes.	Level III (Required for Level III interchange)  Cards: ■ Visa
<b>Discount Amount</b>	Discount applied to the item.  Visa: Discount Amount for Line Item.  MasterCard: Discount Amount.	Level III (Required for Level III interchange)  Cards: ■ Visa ■ MasterCard
<b>Discount Indicator</b>	Flag that indicates if the amount is discounted. Possible values:  ■ N (Default)  ■ Y (if checked)	Level III (Required for Level III interchange)  Cards: ■ MasterCard
<b>Discount_Rate</b>	Rate the item is discounted.  Example: 5.25 (=5.25%)  Maximum amount is 99.99.	Not supported



**Table 12 Item-Level Field Requirements for Chase Paymentech (Continued)**

<b>CyberSource Field Name</b>	<b>Description</b>	<b>Used By (Required/Optional)</b>
<b>Gross Net Indicator</b>	Flag that indicates if the tax amount is included in the Line Item Total. Possible values: <ul style="list-style-type: none"> <li>■ Y: Item amount includes tax amount</li> <li>■ N: Item amount does not include tax amount</li> </ul>	Level III (R) Cards: <ul style="list-style-type: none"> <li>■ MasterCard</li> </ul>
<b>Local Tax</b>	Amount of local sales tax for the order.	Not supported
<b>Product SKU</b>	Product's identifier code	Not supported
<b>National Tax</b>	Amount of national sales tax or value-added tax for the order.	Not supported
<b>Product Code</b>	Product code for the item. In the United States, this may be a UPC code, part number, or product number. If you do not provide this value, CyberSource uses default.	Level III (Required for Level III interchange) Cards: <ul style="list-style-type: none"> <li>■ Visa</li> <li>■ MasterCard (Do not use all zeros or spaces)</li> </ul>
<b>Product Name</b>	Text description of the item.	Level III (Required for Level III interchange) Cards: <ul style="list-style-type: none"> <li>■ Visa</li> <li>■ MasterCard (Do not use all zeros or spaces)</li> </ul>
<b>Quantity</b>	The quantity of the items purchased. Cannot be more than 999999.99.	Level III (Required for Level III interchange) Cards: <ul style="list-style-type: none"> <li>■ Visa</li> <li>■ MasterCard (Do not use all zeros or spaces)</li> </ul>

Table 12 Item-Level Field Requirements for Chase Paymentech (Continued)

CyberSource Field Name	Description	Used By (Required/Optional)
<b>Tax Amount</b>	<p>Total tax to apply to the product. This value cannot be negative. If no tax is present, you can send in a value of 0.</p> <p>The <b>Tax Amount</b> field is additive. For example, if you include the following offer lines:</p> <p>Item 1=amount:10.00 quantity:1 tax_amount:0.80</p> <p>Item 2=amount:20.00 quantity:1 tax_amount:1.60</p> <p>The total amount authorized will be for \$32.40, not \$30.00 with \$2.40 of tax included. The <b>Tax Amount</b> and the <b>Unit Price</b> must be in the same currency.</p>	<p>Level II (R)</p> <p>Cards:</p> <ul style="list-style-type: none"> <li>■ Visa</li> <li>■ MasterCard</li> <li>■ American Express</li> </ul> <p>Level III (Required for Level III interchange)</p> <p>Cards:</p> <ul style="list-style-type: none"> <li>■ Visa</li> <li>■ MasterCard</li> </ul>
<b>Tax Rate</b>	<p>Tax rate applied to the item.</p> <p>Valid range is 0.0001 to 0.9999 (0.01% to 99.99%). The value can also be zero.</p>	<p>Level III (Required for Level III interchange)</p> <p>Cards:</p> <ul style="list-style-type: none"> <li>■ Visa</li> <li>■ MasterCard</li> </ul>

**Table 12 Item-Level Field Requirements for Chase Paymentech (Continued)**

<b>CyberSource Field Name</b>	<b>Description</b>	<b>Used By (Required/Optional)</b>
<b>Tax Type Applied</b>	<p>Type of tax being applied to the item. Possible values:</p> <ul style="list-style-type: none"> <li>■ 0000: Unknown tax type</li> <li>■ 0001: Federal/National sales tax</li> <li>■ 0002: State sales tax</li> <li>■ 0003: City sales tax</li> <li>■ 0004: Local sales tax</li> <li>■ 0005: Municipal sales tax</li> <li>■ 0006: Other tax</li> <li>■ 0010: Value added tax</li> <li>■ 0011: Goods and services tax</li> <li>■ 0012: Provincial sales tax</li> <li>■ 0013: Harmonized sales tax</li> <li>■ 0014: Quebec sales tax (QST)</li> <li>■ 0020: Room tax</li> <li>■ 0021: Occupancy tax</li> <li>■ 0022: Energy tax</li> </ul> <p>Blank: Tax not supported on line item.</p>	<p>Level III (O)</p> <p>Cards:</p> <ul style="list-style-type: none"> <li>■ MasterCard</li> </ul>
<b>Total Amount</b>	<p>Total purchase amount for the item. Normally calculated as the unit price x quantity.</p>	<p>Level III (R)</p> <p>Cards:</p> <ul style="list-style-type: none"> <li>■ Visa</li> <li>■ MasterCard (Do not use all zeros or spaces)</li> </ul>
<b>Unit of Measure</b>	<p>Unit of measure, or unit of measure code, for the item.</p>	<p>Level III (Required for Level III interchange)</p> <p>Cards:</p> <ul style="list-style-type: none"> <li>■ Visa</li> <li>■ MasterCard (Must not be all zeros or spaces)</li> </ul>

**Table 12 Item-Level Field Requirements for Chase Paymentech (Continued)**

<b>CyberSource Field Name</b>	<b>Description</b>	<b>Used By (Required/Optional)</b>
<b>Unit Price</b>	Unit cost of the item purchased.	Level II (R) Cards: <ul style="list-style-type: none"> <li>■ Visa</li> <li>■ MasterCard</li> <li>■ American Express</li> </ul> Level III (R) Cards: <ul style="list-style-type: none"> <li>■ Visa</li> <li>■ MasterCard</li> </ul>
<b>VAT Rate</b>	Rate used to calculate VAT.	Not supported

# FDMS Nashville

## Order-Level Fields Required for FDMS Nashville

Table 13 Order-Level Field Requirements for FDMS Nashville

CyberSource Field Name	Description	Used By (Required/Optional)
<b>Alternate Tax Amount</b>	Total amount of alternate tax included in the order. Amount cannot be greater than \$999999.99.	Not supported
<b>Alternate Tax Indicator</b>	Indicates if the alternate tax amount is included in the request. Possible values: <ul style="list-style-type: none"> <li>■ N: Alternate tax amount is not included in the request.</li> <li>■ Y: Alternate tax amount is included in the request.</li> </ul>	Not supported
<b>Alternate Tax ID</b>	Merchant's tax ID number to use for the alternate tax amount.  Required if you set Alternate Tax Amount to any value, including zero. You may send this field without sending Alternate Tax Amount.	Not supported

Table 13 Order-Level Field Requirements for FDMS Nashville (Continued)

CyberSource Field Name	Description	Used By (Required/Optional)
<b>Transaction Advice Addendum 1-4</b>	<p>Four Transaction Advice Addendum fields. These fields are used to display descriptive information about a transaction on the consumer's American Express card statement. If you are sending any TAA fields, start with invoiceHeader_amexDataTAA1, then ...TAA2, and so on. Skipping a TAA field causes subsequent TAA fields to be ignored.</p> <p>Contact CyberSource Customer Support if you plan to use these fields so that your account can be configured appropriately.</p> <p>Transaction Advice Addendum 1 is required for Level II transactions for American Express cards, but the other TAA fields are optional.</p>	Not supported
<b>Duty Amount</b>	Total charges for any import or export duties included in the order.	Not supported
<b>Freight Amount</b>	Total freight or shipping and handling charges for the order.	Not supported
<b>Purchase Order Number</b>	Customer's purchase order number.	Not supported
<b>Local Tax</b>	Amount of local sales tax for the order.	Not supported
<b>Local Tax Indicator</b>	<p>Indicates if the order includes local tax. This field is not included in the request when you select the following:</p> <ul style="list-style-type: none"> <li>■ The default setting</li> <li>■ Local Tax Not Included</li> <li>■ Local Tax Included</li> <li>■ Tax Exempt</li> </ul>	Not supported
<b>Merchant VAT Registration Number</b>	Merchant's government-assigned tax identification number.	Not supported
<b>National Tax</b>	Amount of national sales tax or value-added tax for the order.	Not supported

Table 13 Order-Level Field Requirements for FDMS Nashville (Continued)

CyberSource Field Name	Description	Used By (Required/Optional)
<b>National Tax Indicator</b>	Indicates if the order includes national tax. Possible values: <ul style="list-style-type: none"> <li>■ 0 (Default)</li> <li>■ 1 (if checked)</li> </ul>	Not supported
<b>Order Discount Amount</b>	Total discount applied to the order. For example: a \$20 discount off the order total. Discount amount cannot be greater than \$999999.99.	Not supported
<b>Purchaser Code</b>	Customer ID reference number that identifies the customer for a Level II transaction.	Not supported
<b>Purchaser Order Date</b>	Date the order was processed. Format: YYMMDD.	Not supported
<b>Purchaser VAT Registration Number</b>	Customer's government-assigned tax identification number.	Not supported
<b>Ship From Postal/Zip Code</b>	Postal code for the address from which the goods are shipped, which is used to determine nexus. The default is the postal code associated with your CyberSource account. The postal code must consist of 5 to 9 digits.  If the billing country is the U.S., the 9-digit postal code must follow this format: [5 digits][dash] [4 digits] Example: 12345-6789  If the billing country is Canada, the 6-digit postal code must follow this format: [alpha][numeric][alpha][space][numeric][alpha] [numeric] Example: A1B 2C4	Level II  Cards: <ul style="list-style-type: none"> <li>■ Visa</li> <li>■ MasterCard</li> </ul>
<b>Summary Commodity Code</b>	International description code of the overall order's goods or services. Contact your acquirer for a list of codes.	Not supported
<b>Supplier Order Reference Number</b>	Text description of the item.	Not supported

**Table 13 Order-Level Field Requirements for FDMS Nashville (Continued)**

<b>CyberSource Field Name</b>	<b>Description</b>	<b>Used By (Required/Optional)</b>
<b>Taxable</b>	<p>Indicates if an order is taxable.</p> <p>Possible values:</p> <ul style="list-style-type: none"> <li>■ N: The order is taxable.</li> <li>■ Y: The order is tax exempt</li> </ul> <p>If the taxable amount is 0, the tax indicator is required.</p>	<p>Level II</p> <p>Cards:</p> <ul style="list-style-type: none"> <li>■ Visa</li> <li>■ MasterCard</li> </ul>
<b>User PO</b>	<p>Customer's purchase order number. CyberSource recommends that you do not populate the field with all zeros or nines.</p>	<p>Level II (Required for purchase/procurement cards; optional otherwise)</p> <p>Cards:</p> <ul style="list-style-type: none"> <li>■ Visa</li> <li>■ MasterCard</li> </ul>
<b>VAT Invoice Reference Number</b>	VAT invoice number associated with the transaction.	Not supported
<b>VAT Tax Amount</b>	Total amount of VAT or other tax included in the order. Amount cannot be greater than \$999999.99.	Not supported
<b>VAT Tax Rate</b>	<p>Rate of VAT or other tax for the order.</p> <p>Example: 0.0400 (=4%)</p> <p>Valid range: 0.0001 to 0.9999 (0.01% to 99.99%)</p>	Not supported



## Item-Level Fields Required for FDMS Nashville

**Table 14 Item-Level Field Requirements for FDMS Nashville**

<b>CyberSource Field Name</b>	<b>Description</b>	<b>Used By (Required/Optional)</b>
<b>Alternate Tax Amount</b>	Amount of alternate tax for the item.	Not supported
<b>Alternate Tax ID</b>	Merchant's tax ID number to use for the alternate tax amount.  Provide this field if you include Alternate Tax Amount in the request.  You may send this field without sending Alternate Tax Amount.	Not supported
<b>Alternate Tax Rate</b>	MasterCard: Tax rate for a type of tax collected. Visa: VAT or other tax rate	Not supported
<b>Alternate Tax Type Applied</b>	MasterCard: Flag that defines tax categories for domestic processing in certain locations. Visa: VAT or other tax type.	Not supported
<b>Alternate Tax Type</b>	Flag that indicates the type of tax collected	Not supported
<b>Commodity Code</b>	International description code used to classify the item. Contact your acquirer for a list of codes.	Not supported
<b>Discount Amount</b>	Discount applied to the item.  Visa: Discount Amount for Line Item.  MasterCard: Discount Amount.	Not supported
<b>Discount Indicator</b>	Flag that indicates if the amount is discounted. Possible values: <ul style="list-style-type: none"><li>■ N (Default)</li><li>■ Y (if checked)</li></ul>	Not supported
<b>Discount_Rate</b>	Rate the item is discounted.  Example: 5.25 (=5.25%)  Maximum amount is 99.99.	Not supported

Table 14 Item-Level Field Requirements for FDMS Nashville (Continued)

CyberSource Field Name	Description	Used By (Required/Optional)
<b>Gross Net Indicator</b>	Flag that indicates if the tax amount is included in the Line Item Total. Possible values: <ul style="list-style-type: none"> <li>■ Y: Item amount includes tax amount</li> <li>■ N: Item amount does not include tax amount</li> </ul>	Not supported
<b>Local Tax</b>	Amount of local sales tax for the order.	Not supported
<b>Product SKU</b>	Product's identifier code	Not supported
<b>National Tax</b>	Amount of national sales tax or value-added tax for the order.	Not supported
<b>Product Code</b>	Product code for the item. In the United States, this may be a UPC code, part number, or product number. If you do not provide this value, CyberSource uses default.	Not supported
<b>Product Name</b>	Text description of the item.	Not supported
<b>Quantity</b>	The quantity of the items purchased. Cannot be more than 999999.99.	Not supported
<b>Tax Amount</b>	<p>Total tax to apply to the product. This value cannot be negative. If no tax is present, you can send in a value of 0.</p> <p>The <b>Tax Amount</b> field is additive. For example, if you include the following offer lines:</p> <pre>Item 1=amount:10.00 quantity:1 tax_amount:0.80 Item 2=amount:20.00 quantity:1 tax_amount:1.60</pre> <p>The total amount authorized will be for \$32.40, not \$30.00 with \$2.40 of tax included. The <b>Tax Amount</b> and the <b>Unit Price</b> must be in the same currency.</p>	<p>Level II (R)</p> <p>Cards:</p> <ul style="list-style-type: none"> <li>■ Visa</li> <li>■ MasterCard</li> </ul>

**Table 14 Item-Level Field Requirements for FDMS Nashville (Continued)**

<b>CyberSource Field Name</b>	<b>Description</b>	<b>Used By (Required/Optional)</b>
<b>Tax Rate</b>	Tax rate applied to the item.  Valid range is 0.0001 to 0.9999 (0.01% to 99.99%). The value can also be zero.	Not supported
<b>Tax Type Applied</b>	Type of tax being applied to the item. Possible values: <ul style="list-style-type: none"> <li>■ 0000: Unknown tax type</li> <li>■ 0001: Federal/National sales tax</li> <li>■ 0002: State sales tax</li> <li>■ 0003: City sales tax</li> <li>■ 0004: Local sales tax</li> <li>■ 0005: Municipal sales tax</li> <li>■ 0006: Other tax</li> <li>■ 0010: Value added tax</li> <li>■ 0011: Goods and services tax</li> <li>■ 0012: Provincial sales tax</li> <li>■ 0013: Harmonized sales tax</li> <li>■ 0014: Quebec sales tax (QST)</li> <li>■ 0020: Room tax</li> <li>■ 0021: Occupancy tax</li> <li>■ 0022: Energy tax</li> </ul> Blank: Tax not supported on line item.	Not supported
<b>Total Amount</b>	Total purchase amount for the item. Normally calculated as the unit price x quantity.	Not supported
<b>Unit of Measure</b>	Unit of measure, or unit of measure code, for the item.	Not supported
<b>Unit Price</b>	Unit cost of the item purchased.	Level II (R)  Cards: <ul style="list-style-type: none"> <li>■ Visa</li> <li>■ MasterCard</li> </ul>
<b>VAT Rate</b>	Rate used to calculate VAT.	Not supported

# FDMS South

## Order-Level Fields Required for FDMS South

Table 15 Order-Level Field Requirements for FDMS South

CyberSource Field Name	Description	Used By (Required/Optional)
<b>Alternate Tax Amount</b>	Total amount of alternate tax included in the order. Amount cannot be greater than \$999999.99.	Not supported
<b>Alternate Tax Indicator</b>	Indicates if the alternate tax amount is included in the request. Possible values: <ul style="list-style-type: none"> <li>■ N: Alternate tax amount is not included in the request.</li> <li>■ Y: Alternate tax amount is included in the request.</li> </ul>	Not supported
<b>Alternate Tax ID</b>	Merchant's tax ID number to use for the alternate tax amount.  Required if you set Alternate Tax Amount to any value, including zero. You may send this field without sending Alternate Tax Amount.	Not supported

Table 15 Order-Level Field Requirements for FDMS South (Continued)

CyberSource Field Name	Description	Used By (Required/Optional)
<b>Transaction Advice Addendum 1-4</b>	<p>Four Transaction Advice Addendum fields. These fields are used to display descriptive information about a transaction on the consumer's American Express card statement. If you are sending any TAA fields, start with invoiceHeader_amexDataTAA1, then ...TAA2, and so on. Skipping a TAA field causes subsequent TAA fields to be ignored.</p> <p>Contact CyberSource Customer Support if you plan to use these fields so that your account can be configured appropriately.</p> <p>Transaction Advice Addendum 1 is required for Level II transactions for American Express cards, but the other TAA fields are optional.</p>	Not supported
<b>Duty Amount</b>	Total charges for any import or export duties included in the order.	Level II Cards: ■ MasterCard
<b>Freight Amount</b>	Total freight or shipping and handling charges for the order.	Not supported
<b>Purchase Order Number</b>	Customer's purchase order number.	Not supported
<b>Local Tax</b>	Amount of local sales tax for the order.	Not supported
<b>Local Tax Indicator</b>	<p>Indicates if the order includes local tax. This field is not included in the request when you select the following:</p> <ul style="list-style-type: none"> <li>■ The default setting</li> <li>■ Local Tax Not Included</li> <li>■ Local Tax Included</li> <li>■ Tax Exempt</li> </ul>	Not supported
<b>Merchant VAT Registration Number</b>	Merchant's government-assigned tax identification number.	Not supported

Table 15 Order-Level Field Requirements for FDMS South (Continued)

CyberSource Field Name	Description	Used By (Required/Optional)
<b>National Tax</b>	Amount of national sales tax or value-added tax for the order.	Not supported
<b>National Tax Indicator</b>	Indicates if the order includes national tax. Possible values: <ul style="list-style-type: none"> <li>■ 0 (Default)</li> <li>■ 1 (if checked)</li> </ul>	Not supported
<b>Order Discount Amount</b>	Total discount applied to the order. For example: a \$20 discount off the order total. Discount amount cannot be greater than \$999999.99.	Not supported
<b>Purchaser Code</b>	Customer ID reference number that identifies the customer for a Level II transaction.	Level II (Required for purchase/procurement cards; optional otherwise)  Cards: <ul style="list-style-type: none"> <li>■ Visa</li> </ul>
<b>Purchaser Order Date</b>	Date the order was processed. Format: YYMMDD.	Not supported
<b>Purchaser VAT Registration Number</b>	Customer's government-assigned tax identification number.	Level II  Cards: <ul style="list-style-type: none"> <li>■ Visa</li> </ul>
<b>Ship From Postal/Zip Code</b>	Postal code for the address from which the goods are shipped, which is used to determine nexus. The default is the postal code associated with your CyberSource account. The postal code must consist of 5 to 9 digits.  If the billing country is the U.S., the 9-digit postal code must follow this format: [5 digits][dash] [4 digits] Example: 12345-6789  If the billing country is Canada, the 6-digit postal code must follow this format: [alpha][numeric][alpha][space][numeric][alpha] [numeric] Example: A1B 2C4	Level II  Cards: <ul style="list-style-type: none"> <li>■ MasterCard</li> </ul>

Table 15 Order-Level Field Requirements for FDMS South (Continued)

CyberSource Field Name	Description	Used By (Required/Optional)
<b>Summary Commodity Code</b>	International description code of the overall order's goods or services. Contact your acquirer for a list of codes.	Level II Cards: ■ Visa
<b>Supplier Order Reference Number</b>	Text description of the item.	Not supported
<b>Taxable</b>	Indicates if an order is taxable. Possible values: ■ N: The order is taxable. ■ Y: The order is tax exempt If the taxable amount is 0, the tax indicator is required.	Level II Cards: ■ Visa ■ MasterCard
<b>User PO</b>	Customer's purchase order number. CyberSource recommends that you do not populate the field with all zeros or nines.	Level II (Required for purchase/procurement cards; optional otherwise) Cards: ■ Visa ■ MasterCard
<b>VAT Invoice Reference Number</b>	VAT invoice number associated with the transaction.	Not supported
<b>VAT Tax Amount</b>	Total amount of VAT or other tax included in the order. Amount cannot be greater than \$999999.99.	Not supported
<b>VAT Tax Rate</b>	Rate of VAT or other tax for the order. Example: 0.0400 (=4%) Valid range: 0.0001 to 0.9999 (0.01% to 99.99%)	Not supported

## Item-Level Fields Required for FDMS South

**Table 16 Item-Level Field Requirements for FDMS South**

<b>CyberSource Field Name</b>	<b>Description</b>	<b>Used By (Required/Optional)</b>
<b>Alternate Tax Amount</b>	Amount of alternate tax for the item.	Not supported
<b>Alternate Tax ID</b>	Merchant's tax ID number to use for the alternate tax amount.  Provide this field if you include Alternate Tax Amount in the request.  You may send this field without sending Alternate Tax Amount.	Not supported
<b>Alternate Tax Rate</b>	MasterCard: Tax rate for a type of tax collected. Visa: VAT or other tax rate	Not supported
<b>Alternate Tax Type Applied</b>	MasterCard: Flag that defines tax categories for domestic processing in certain locations. Visa: VAT or other tax type.	Not supported
<b>Alternate Tax Type</b>	Flag that indicates the type of tax collected	Not supported
<b>Commodity Code</b>	International description code used to classify the item. Contact your acquirer for a list of codes.	Not supported
<b>Discount Amount</b>	Discount applied to the item.  Visa: Discount Amount for Line Item.  MasterCard: Discount Amount.	Not supported
<b>Discount Indicator</b>	Flag that indicates if the amount is discounted. Possible values: <ul style="list-style-type: none"><li>■ N (Default)</li><li>■ Y (if checked)</li></ul>	Not supported
<b>Discount_Rate</b>	Rate the item is discounted.  Example: 5.25 (=5.25%)  Maximum amount is 99.99.	Not supported
<b>Gross Net Indicator</b>	Flag that indicates if the tax amount is included in the Line Item Total. Possible values: <ul style="list-style-type: none"><li>■ Y: Item amount includes tax amount</li><li>■ N: Item amount does not include tax amount</li></ul>	Not supported
<b>Local Tax</b>	Amount of local sales tax for the order.	Not supported



Table 16 Item-Level Field Requirements for FDMS South (Continued)

CyberSource Field Name	Description	Used By (Required/Optional)
<b>Product SKU</b>	Product's identifier code	Not supported
<b>National Tax</b>	Amount of national sales tax or value-added tax for the order.	Level II Cards: <ul style="list-style-type: none"> <li>■ Visa</li> <li>■ MasterCard</li> </ul>
<b>Product Code</b>	Product code for the item. In the United States, this may be a UPC code, part number, or product number. If you do not provide this value, CyberSource uses default.	Not supported
<b>Product Name</b>	Text description of the item.	Not supported
<b>Quantity</b>	The quantity of the items purchased. Cannot be more than 999999.99.	Not supported
<b>Tax Amount</b>	<p>Total tax to apply to the product. This value cannot be negative. If no tax is present, you can send in a value of 0.</p> <p>The <b>Tax Amount</b> field is additive. For example, if you include the following offer lines:</p> <p>Item 1=amount:10.00 quantity:1 tax_amount:0.80 Item 2=amount:20.00 quantity:1 tax_amount:1.60</p> <p>The total amount authorized will be for \$32.40, not \$30.00 with \$2.40 of tax included. The <b>Tax Amount</b> and the <b>Unit Price</b> must be in the same currency.</p>	Level II (R) Cards: <ul style="list-style-type: none"> <li>■ Visa</li> <li>■ MasterCard</li> </ul>
<b>Tax Rate</b>	<p>Tax rate applied to the item.</p> <p>Valid range is 0.0001 to 0.9999 (0.01% to 99.99%). The value can also be zero.</p>	Not supported

Table 16 Item-Level Field Requirements for FDMS South (Continued)

CyberSource Field Name	Description	Used By (Required/Optional)
<b>Tax Type Applied</b>	Type of tax being applied to the item. Possible values: <ul style="list-style-type: none"> <li>■ 0000: Unknown tax type</li> <li>■ 0001: Federal/National sales tax</li> <li>■ 0002: State sales tax</li> <li>■ 0003: City sales tax</li> <li>■ 0004: Local sales tax</li> <li>■ 0005: Municipal sales tax</li> <li>■ 0006: Other tax</li> <li>■ 0010: Value added tax</li> <li>■ 0011: Goods and services tax</li> <li>■ 0012: Provincial sales tax</li> <li>■ 0013: Harmonized sales tax</li> <li>■ 0014: Quebec sales tax (QST)</li> <li>■ 0020: Room tax</li> <li>■ 0021: Occupancy tax</li> <li>■ 0022: Energy tax</li> </ul> Blank: Tax not supported on line item.	Not supported
<b>Total Amount</b>	Total purchase amount for the item. Normally calculated as the unit price x quantity.	Not supported
<b>Unit of Measure</b>	Unit of measure, or unit of measure code, for the item.	Not supported
<b>Unit Price</b>	Unit cost of the item purchased.	Level II (R) Cards: <ul style="list-style-type: none"> <li>■ Visa</li> <li>■ MasterCard</li> </ul>
<b>VAT Rate</b>	Rate used to calculate VAT.	Level II Cards: <ul style="list-style-type: none"> <li>■ Visa</li> <li>■ MasterCard</li> </ul>