

Business Center

Reporting User Guide

November 2018



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About This Guide

Audience

This guide is designed for users who generate and view report data through the Business Center. The guide is not intended for use by developers for purposes of API integration. For more information, see the [CyberSource Developer Center](#).



The new CyberSource Developer Center is scheduled to be launched in October 2018. Developers can find extensive information about using Business Center APIs on this site. Additionally, new and updated guides will be added to the [CyberSource Support](#) site. Information will be added to this guide as it becomes available.

Conventions

Note, Important, and Warning Statements



A *Note* contains helpful suggestions or references to material not contained in the document.



An *Important* statement contains information essential to successfully completing a task or learning a concept.



A *Warning* contains information or instructions, which, if not heeded, can result in a security risk, irreversible loss of data, or significant cost in time or revenue or both.

Text and Command Conventions

Convention	Usage
Bold	<ul style="list-style-type: none"> Field and service names in text; for example: Include the ics_applications field. Items that you are instructed to act upon; for example: Click Save.
Screen text	<ul style="list-style-type: none"> XML elements. Code examples and samples. Text that you enter in an API environment; for example: Set the davService_run field to <code>true</code>.

Related Documents

- *Business Center User Guide*
- *Reporting Migration Guide*
- *Financial Reporting Guide*

Refer to the [Support Center](#) for complete CyberSource technical documentation:

Customer Support

For support information about any CyberSource service, visit the Support Center at:

<http://www.cybersource.com/support>

Recent Revisions to This Document

Release	Changes
November 2018	<ul style="list-style-type: none"> ■ Updates to fields and descriptions for: <ul style="list-style-type: none"> ● Application ● Bill To ● Fees ● Japanese Payment (JP) ● Payment Data ● Payment Method ● POS Terminal Exceptions ● Request ● Sender ● Ship To ● Shipping ● Travel Fields (DM) ■ Added fields and descriptions for: <ul style="list-style-type: none"> ● Advanced Fraud Screen (DM) ● Case Management (DM) ● Customer (DM) ● Device Fingerprint (DM) ● Emailage (DM) ● Mark As Suspect (DM) ● Merchant-Defined Data (DM) ● Order (DM) ● Payer Authentication Detail ● Payer Authentication Request ● Payer Authentication Response ● Payment (DM) ● Recipient ● Velocity Morphing (DM) ■ Added links for Reporting Migration Guide
October 2018	Initial release.

Reporting Terms and Concepts

Reporting Terms and Concepts

Business Center offers several options for accessing and downloading your transaction data. Some users may also access financial data; see the [Financial Reporting Guide](#) for more information.

You can view on-demand reports in your browser or choose to download reports available through subscription. You can also decide whether or not you want to generate a report once, or request it to automatically be created at your desired interval.



Important

Several types of reports may be available to you in Available Reports, based on your reporting history and services you use with the Business Center. See [Chapter 3, Accessing Downloadable Reports](#) for a complete list and more information.

The following table describes the terms and concepts used in Business Center:

This term	Means this
On-Demand	A pre-configured report specifically designed to be viewed in the browser.
Downloadable	Any report that has been created through a subscription and is ready for you to download.

Refer to the [Reporting Migration Guide](#) to learn more about:

- Understanding which features and reports changed from Classic Business Center.
- Transitioning to RESTful APIs from the previous programmatic access methods.
- Finding answers to frequently asked questions (FAQs).

Viewing On-Demand Reports

About On-Demand Reports

The following reports may be available on demand through your browser, depending on which Business Center services you use:

Select this report	To view this data
Payment Batch Summary	Sale and refund counts and amounts by currency and payment method.
Payer Authorization Summary	Number of transactions and total amount for groups of transactions based on each currency and card type you support. Enabled for users using payer authorization service.
Notification of Change	eCheck related fields updated as a result of a response to an eCheck settlement transaction. Enabled for users processing eChecks on certain gateways.
Net Funding	Sales and refunds, fees, chargebacks, and net expected funding. Enabled for users using certain payment processors.
Purchase and Refund Details	Purchase and refund details that have been submitted to your payment processor. Merchants using certain payment processors will also see fee and funding data.
Chargeback Report	Chargebacks reported by your payment processor. Enabled for users using certain payment processors. Refer to the Financial Reporting Guide for more information.
Interchange Clearing Levels	Interchange fees reported by your payment processor. Enabled for users using certain payment processors. Refer to the Financial Reporting Guide for more information.
Retrieval Request Report	Retrievals reported by your payment processor. Enabled for users using certain payment processors. Refer to the Financial Reporting Guide for more information.

Payment Batch Summary

The Payment Batch Summary report shows total sales and refunds by currency and payment method. For record-level reporting, see "[Downloading Available Reports](#)". By default, the report includes data for one day, but you can also choose to view by the week or month. If desired, you can export the data to either a CSV or PDF file.

This type of user	Can view this information
Account level	Total account value (sum of all merchants) or individual merchants in your account. Can view aggregated account-level data or merchant-by-merchant.
Portfolio	Account value for individual merchants in your account
Merchant	Total value of your account

To view the Payment Batch Summary report:

-
- Step 1** In the left navigation panel, click the **Reports** icon.
 - Step 2** Under Transaction Reports, click **Payment Batch Summary**. The Payment Batch Summary Report page appears.
 - Step 3** In the search toolbar, select the **Frequency** filter you want to include in the report.
 - Step 4** **Portfolio** users: select the Merchant for whom you want to view data. **Account level** users: select a Merchant to filter by an individual merchant instead of account values.
 - Step 5** Based on the **Frequency** selected, choose the specific day, week, or month you want to review.



Note

Only months which have already occurred in the current year display in the Month list – to view all months of a previous year, select the year first, then choose the desired month.

-
- Step 6** Select the **Currency** code of the transactions you want to include.



Note

To view results from the period prior to or following the selected period, click **Previous** or **Next** below the search toolbar.

-
- Step 7** Click **Export** and choose your desired aggregation options and file format. Export options are based on the frequency selected.

Step 8 Follow your browser's instructions to open and save the file.

Payer Authorization Summary

You can generate the Payer Authorization Summary report to track enrollment and validation services performance. The report includes the number of transactions and total amount for groups of transactions based on each currency and card type you support. Use the information to estimate how your transactions are screened by payer authentication: successful, attempted, or incomplete. By default, the report includes one data for one day, but you can also choose to view by the week or month.

To view the Payer Authorization Summary report:

- Step 1** In the left navigation panel, click the **Reports** icon.
- Step 2** Under Transaction Reports, click **Payer Auth Summary**. The Payer Auth Summary Report page appears.
- Step 3** In the search toolbar, select **Date Range** you want to include in the report.



Account level users must select a merchant as well.

- Step 4** Based on the Date Range selected, choose the specific day, week, or month you want to review..



Only months which have already occurred in the current year display in the Month list – to view all months of a previous year, select the year first, then choose the desired month.



To view results from the period prior to or following the selected period, click **Previous** or **Next** below the search toolbar.

Notification of Change

You can view a list of eCheck-related values updated as a result of a response to an eCheck settlement transaction in the Notification of Change report. Merchants who have an active PGP key can also export this information to a CSV or XML file. By default, the report shows data from the prior day, but you can also choose to view by the previous week, previous month, or a custom date range (up to six months).

To view the Notification of Change report:

- Step 1** In the left navigation panel, click the **Reports** icon.
- Step 2** Under Transaction Reports, click **Notification of Change**. The Notification of Change page appears.
- Step 3** In the search toolbar, select the **Date Range** of transactions to be included in the report. Results are automatically sorted in ascending order (Latest Results First).
- Step 4** To view results in descending order, select **Oldest Results First** in the Sort Order filter.
- Step 5** Click **Export** and choose your desired file format..

**Note**

Export is available only if you have a PGP security key.

- Step 6** Follow your browser's instructions to open and save the file.
-

Purchase and Refund Details

The Purchase and Refund report includes all purchases and refund transactions, as well as all activities related to transactions resulting in an adjustment to the net proceeds. By default, the report shows data from the prior day, but you can also choose to view by the previous week, previous month, or a custom period (up to 31 days within the previous 18 months).

Additionally, you can view data by either:

- **Request date:** date transaction was captured, or
- **Submission date:** date on which transaction was sent to processor (may be later than request date).



Note

This report is only available for selected merchants. For more information about the Purchase and Refund Details report, refer to the [Financial Reporting Guide](#).

To view the Purchase and Refund Details report:

- Step 1** In the left navigation panel, click the **Reports** icon.
- Step 2** Under Financial Reports, click **Purchase & Refund Details**. The Purchase & Refund Details page appears.
- Step 3** In the search toolbar, select:
 - a** **Merchant** data you want to view
 - b** **Date Range** you want to include in the report
 - c** **View By** and choose which date on which to base the report
- Step 4** Click one of the following tabs to view data details:
 - a** Request
 - b** Settlement
 - c** Authorization
 - d** Fees & Funding
 - e** Others
- Step 5** For any transaction, click the **Request ID** link to view the Transaction Details page.
- Step 6** Click **Export** to download a file containing transactions in the list, then choose desired format.

Step 7 Follow your browser's instructions to open and save the file.

Net Funding

You can view the daily interchange, discount, and standard assessments in the Net Funding report. Some month-end fees, such as authorizations, are detected at the end of the month and appear in the Net Funding report on that particular day. Total Net Funding is obtained after subtracting chargebacks, fees, and any other negative amounts.

By default, the report shows data from the prior day, but you can also choose to view by the previous week, previous month, previous three months, or previous six months. You can also choose to export the data to a CSV, XML, or JSON file.



Note

This report is only available for selected merchants. For more information about the Purchase and Refund Details report, refer to the [Financial Reporting Guide](#).

To view the Net Funding report:

- Step 1** In the left navigation panel, click the **Reports** icon.
- Step 2** Under Financial Reports, click **Net Funding**. The Net Funding page appears.
- Step 3** In the search toolbar, select the **Date Range** of transactions to be included in the report.



Note

Account level users can also select a merchant or group.

- Step 4** Select the **Currency** in which you want transactions to appear.
 - Step 5** Click **Export** and choose your desired file format.
 - Step 6** Follow your browser's instructions to open and save the file.
-

Accessing Downloadable Reports

Business Center generates and stores reports to which you have subscribed in the Available Reports section. These reports include standard pre-configured reports that you have enabled, as well as any custom reports you have created. Partners and account level users can also create reports that consolidate data for one or all merchants, or a group of merchants in the portfolio.

**Note**

If you previously used Classic Business Center, refer to the [Reporting Migration Guide](#) for more information on switching from Classic to new reports.

You can also manage your current subscriptions, or create a new custom one-time report or subscription.

Downloading Available Reports

The following types of downloadable reports are available in the Business Center, depending on your reporting history and usage:


- **Custom:** a one-time or recurring report you create yourself, either from scratch or from another report
- **Classic:** new versions of reports you used in Classic Business Center. See the [Reporting Migration Guide](#) for more information.
- **Standard:** pre-configured recurring reports provided by Business Center; you can choose whether or not to enable the subscription, or use the report as a template for a custom report.
- **Third-Party:** reports received by Business Center on your behalf, usually from a payment processor. See the [Reporting Migration Guide](#) for more information.

- **Legacy:** Classic Business Center reports. See the [Reporting Migration Guide](#) for more information.



One or more reports tabs may not contain results, especially if you did not use Classic Business Center.

To download available reports:

- Step 1** On the left navigation pane, click the **Reports** () icon.
- Step 2** Under Downloadable Reports, click **Available Reports**. The Available Reports page appears.
- Step 3** Click the tab containing the report you want to download.
- Step 4** In the **Download** column, click the file format link.



Only reports that have successfully completed generating and that contain data include links.

- Step 5** Follow your browser's instructions to open and save the file.
-

Information Available in Downloadable Reports

Business Center provides several report templates that you can use to create report subscriptions or custom reports. Each report contains a set of default fields based on the report type you choose; refer to the table below for additional information about each report.



Refer to [Chapter 4, Reporting Fields and Descriptions](#), for a complete list of fields and descriptions you can include in Downloadable reports.

This report	Contains this information	How to access
Payment Batch Detail	All sales and refunds successfully submitted to your payment processor. Report fields can be modified.	Enable Standard report Create new custom report
Transaction Request	All transactions that have passed through the payment gateway. Report fields can be modified.	Enable Standard report Create new custom report
Processor Events	Payment notifications received from the processor for a variety of payment events. Report fields can be modified.	Enable Standard report Create new custom report
Transaction Exception Detail	Details failures that happened after a follow-on transaction is submitted to the payment gateway. Report fields can be modified.	Enable Standard report Create new custom report
Invoice Summary	Summary of the transactions that appear on your invoice. Report fields cannot be modified.	Enable Standard report Create new custom report
Payer Authentication Detail	Record-level transaction details for data contained in the " Payer Authorization Summary " downloadable report. Report fields can be modified.	Create new custom report
Subscription Detail	Detailed information about on-demand customer profiles and transactions. Report fields can be modified.	Create new custom report
Conversion Detail	Results of converted orders for each reviewer. Report fields can be modified.	Create new custom report
Decision Manager Detail	Data from selected fields for Decision Manager orders within a specific period of time.	Create new custom report
Decision Manager Events Detail	Selected fields for Decision Manager account login, creation, and update events.	Create new custom report

**Note**

If you use financial services, refer to the [Financial Reporting Guide](#) for more information about additional available reports.

Generating One-Time Reports

Business Center enables you to create your own reports when your needs don't require an ongoing subscription. A one-time report might be useful when:

- You need information about transactions that happened before you set up your recurring subscription
- You want to test a report before setting up a recurring subscription
- You need a particular type of information only one time, so a recurring subscription is unnecessary
- When you need past information that spans more than 31 days, you can create multiple one-time reports. In order to protect system performance, each user is able to generate up to three one-time reports concurrently. Additional one-time reports can be scheduled after the first three reports complete.

After your one-time report is generated, it is available for download on the Available Reports page. Depending on the size of the report, it might take longer than 6 hours to generate.



Note

The process for creating a report subscription is the same as for creating a one-time report. The steps listed below focus on creating a one-time report; to follow steps specifically for creating custom subscriptions, see "[Creating New Custom Report Subscriptions](#)".

To generate a one-time report:

- Step 1** On the left navigation pane, click the **Reports** icon.
- Step 2** Under Downloadable Reports, click **Available Reports**. The Available Reports page appears.
- Step 3** On the Custom Reports tab, click **Create Report**. The Create Report Subscription page appears.
- Step 4** Under Account Setup, select whether to base the report on data from a specific merchant, or a group of merchants, and then choose an available value in the Merchants or Groups list.



Note

To create a report that includes all merchants or groups, use the default value.

**Note**



This option is only available for partners and account level users.

Step 5 Under Basic Report Setup, enter the following:

In this field	Do this
Report Name	Enter the name for your report that best reflects the data you want to capture. Each report must have a unique name containing up to 250 characters.
Report Type	Select the type of report that most closely represents the data or process you want to include. Business Center automatically includes the most commonly used fields in your report based on this selection. See the next step for more information on how to customize these values.
File Format	Choose whether Business Center creates the report in XLS or XML format.
Frequency	Choose Recurring subscription to automatically generate daily, weekly, or monthly reports Note You can also create a one-time report. See " Generating One-Time Reports ".

Step 6 To change any of the default fields included in your report, click the **Arrow** (^) icon to expand the Advanced Report Features section, and then perform one or more of the following actions (available actions are based on the report type and format you select):

In this field or tab	Do this
Credit Amounts	Check the box if you want credits to appear as negative amounts (for example: -1390.00).
Naming Convention	Select how you want the field names to appear in the report: <ul style="list-style-type: none"> ■ SOAPI displays most field names in camel case (for example: FirstName) ■ SCMP displays most field names with underscores (for example: first_name)
Application	Select one or more types of transactions you want to include in the report. Note Leave blank to include all types.

In this field or tab	Do this
Field Selection	<p>One or more of the following:</p> <ul style="list-style-type: none"> ■ Enter text matching a field name you want to find in the Search field. ■ Check the box for one or more fields or field types to include or remove from the report; check the Select All box to add or remove all fields. <p>Note Click the  in a section to expand or collapse it.</p> <ul style="list-style-type: none"> ■ In the Selected column, click the  to remove a field or field type from the report.
Field Ordering	<p>Click and hold the Handle icon to rearrange fields (in the Selected column on the Field Selection tab) into the order in which you want them to appear in the report.</p> <p>Note This option is only available for CSV output.</p>

Step 7 When you are done, click **Create**. The Available Reports page appears, and the new report appears in the Custom Reports List.

Working with Standard Report Subscriptions

You can enable or disable a subscription for any standard report; Business Center automatically generates reports for enabled subscriptions and makes them available under Available Reports. In addition, you can change the frequency and output format of any standard report if needed.



Note

You can use a standard report as a template, then click **Save As** to create a new custom report. When you save as a new report, you can also change the report details, including subscription cycle and included data. See "[Creating New Custom Report Subscriptions](#)" for more information

To modify a standard report subscription:

- Step 1** On the left navigation pane, click the **Reports** icon.
- Step 2** Under Downloadable Reports, click **Report Subscription Management**. The Report Subscription Management page appears.
- Step 3** Click the **Standard Report Subscriptions** tab. The Standard Report Subscriptions List appears.
- Step 4** Select one or more of the following:
 - a** In the **Enable** column, select the box to activate the subscription; deselect to inactivate.
 - a** In the **Frequency** column, click the **Down Arrow** icon to modify how often the report is generated.
 - a** In the **Format** column, click the **Down Arrow** icon to modify the file format of the report..



Note

Click **Save As** to create a new version of the report. See "[Saving Existing Reports as New Subscriptions](#)" for more information.

Generating Custom Reports

Business Center enables you to create your own reports based on the type of data you want to track (for example, transaction requests or invoice summaries). When you create a report subscription, Business Center provides a set of fields for you to choose from; you can also add and remove additional fields based on your needs, and choose the order in which they appear and how they display in the report. You can also set how often you want to generate the report (or if you want to just run it once). Successfully generated reports appear in the Available Reports section.

To create a custom report subscription, create a brand new subscription, or save an existing standard or custom report as a new report.



Note

Refer to [Chapter 4, Reporting Fields and Descriptions](#), for a complete list of fields and descriptions.

Creating New Custom Report Subscriptions

A recurring report subscription is a template that describes the attributes of a report, including how often it runs and the period of time it spans. After your recurring report is generated, it is available for download on the Available Reports page. You can maintain up to 20 report subscriptions at any time.

In addition to choosing from available fields, you can customize the following attributes of a recurring subscription:

- **Name:** a unique name for the report. The name cannot be changed after a report is created.
- **Report type:** a set of reports that can be customized. The report type cannot be changed after a report is created.
- **Format:** the format of a generated report (XML or CSV).
- **Frequency:** the frequency at which a report runs: daily, weekly, or monthly.
- **Start time:** the time of day at which a report runs.



Note

The process for creating a report subscription is the same as for creating a one-time report. The steps listed below focus on creating recurring subscriptions; to follow steps specifically for generating a one-time report, see "[Generating One-Time Reports](#)".

To create a report subscription:

- Step 1** On the left navigation pane, click the **Reports** icon.
- Step 2** Under Downloadable Reports, click **Report Subscription Management**. The Report Subscription Management page appears.
- Step 3** Click the **Custom Report Subscriptions** tab. The Custom Reports Subscriptions List appears.
- Step 4** Click **Create Subscription**. The Create Report Subscription page appears.
- Step 5** Under Account Setup, select whether to base the report on data from a specific merchant, or a group of merchants, and then choose an available value in the Merchants or Groups list.




To create a report that includes all merchants or groups, use the default value.





This option is only available for partners and account level users.

- Step 6** Under Basic Report Setup, enter the following:

In this field	Do this
Report Name	Enter the name for your report that best reflects the data you want to capture. Each report must have a unique name containing up to 250 characters.
Report Type	Select the type of report that most closely represents the data or process you want to include. Business Center automatically includes the most commonly used fields in your report based on this selection. See the next step for more information on how to customize these values.
File Format	Choose whether Business Center creates the report in XLS or XML format.
Frequency	Choose Recurring subscription to automatically generate daily, weekly, or monthly reports Note You can also create a one-time report. See "Generating One-Time Reports" .

Step 7 To change any of the default fields included in your report, click the **Arrow** () icon to expand the Advanced Report Features section, and then perform one or more of the following actions (available actions are based on the report type and format you select):

In this field or tab	Do this
Credit Amounts	Check the box if you want credits to appear as negative amounts (for example: -1390.00).
Naming Convention	Select how you want the field names to appear in the report: <ul style="list-style-type: none"> ■ SOAPI displays most field names in camel case (for example: FirstName) ■ SCMP displays most field names with underscores (for example: first_name)
Application	Select one or more types of transactions you want to include in the report. Note Leave blank to include all types.
Field Selection	One or more of the following: <ul style="list-style-type: none"> ■ Enter text matching a field name you want to find in the Search field. ■ Check the box for one or more fields or field types to include or remove from the report; check the Select All box to add or remove all fields. Note Click the  in a section to expand or collapse it. <ul style="list-style-type: none"> ■ In the Selected column, click the  to remove a field or field type from the report.
Field Ordering	Click and hold the Handle icon to rearrange fields (in the Selected column on the Field Selection tab) into the order in which you want them to appear in the report. Note This option is only available for CSV output.

Step 8 When you are done, click **Create**. The Manage Report Subscription page appears, and the new subscription appears in the Custom Reports Subscriptions List.

Saving Existing Reports as New Subscriptions

You can choose to save any existing custom report as a new one; this enables you to copy over all the existing values, and change as much as you need to create a new report with a new name.

To create a new report or subscription based on an existing report:

- Step 1** On the left navigation pane, click the **Reports** icon.
- Step 2** Under Downloadable Reports, click **Report Subscription Management**. The Report Subscription Management page appears.
- Step 3** Click the **Custom Report Subscriptions** tab. The Custom Reports Subscriptions List appears.
- Step 4** Next to the report you want to copy, click the **Save As** icon. The Save New Subscription page appears.
- Step 5** Under Account Setup, select whether to base the report on data from a specific merchant, or a group of merchants, and then choose an available value in the Merchants or Groups list.



Note

To create a report that includes all merchants or groups, use the default value.

- Step 6** Under Basic Report Setup, enter a unique name for the report..



Note

All reports must have a unique name.

- Step 7** Use the steps in "[Creating New Custom Report Subscriptions](#)" as a guideline for modifying report values.



Important

You must change at least attribute or field to save the report.

- Step 8** When you are done, click **Save As**. The Manage Report Subscription page appears, and the new subscription appears in the Custom Reports Subscriptions List.
-

Modifying Custom Report Subscriptions


You can edit the values in the report (except the report name and frequency), or delete subscriptions you no longer need.



Note

You can also create a new report based on the subscription. See "[Saving Existing Reports as New Subscriptions](#)".

To edit report subscriptions:

- Step 1** On the left navigation pane, click the **Reports** icon.
- Step 2** Under Downloadable Reports, click **Report Subscription Management**. The Report Subscription Management page appears.
- Step 3** Click the **Custom Report Subscriptions** tab. The Custom Reports Subscriptions List appears.
- Step 4** In the row containing the report you want to edit, click the **Edit** () icon. The Edit Report Subscription page appears.
- Step 5** Use the steps in "[Creating New Custom Report Subscriptions](#)" as a guideline for modifying report values.




Important

You must change at least attribute or field to save the report.

- Step 6** When you are done, click **Edit**.
- Step 7** Click **Confirm**.

To delete report subscriptions:

- Step 1** On the left navigation pane, click the **Reports** icon.
- Step 2** Under Downloadable Reports, click **Report Subscription Management**. The Report Subscription Management page appears.
- Step 3** Click the **Custom Report Subscriptions** tab. The Custom Reports Subscriptions List appears.

Step 4 In the row containing the report you want to delete, click the **Delete** () icon.

Step 5 Click **Confirm**. The Custom Report Subscriptions list refreshes and removes the subscription.

Reporting Fields and Descriptions

About Reporting Fields and Descriptions

This chapter contains a list of available reporting fields by field type (for example, billing, settlement, tokens). Where available, additional details, including description, field format, and mapped values, are included.

**Note**

Fields available for reporting on Decision Manager are indicated by “(DM)” in the section title. For more information about using Decision Manager, refer to: https://www.cybersource.com/products/fraud_management/decision_manager/.

Advanced Fraud Screen (AFS) Fields (DM)

Table 1 Advanced Fraud Screen Fields (Decision Manager)

Field Name	Definition
Factors	Information that affected score of the order.
HostSeverity	Risk associated with customer's email domain.
InfoCodeString	List of information codes triggered by the order.
IPAddress	Customer's IP address.
IPCountry	Name of the country decoded from IP address.
IPRoutingMethod	Routing method decoded from IP address.
IPState	Name of the state decoded from IP address.
Model	Name of score model used for the transaction.
Score	Total score calculated for the order.

Application Fields

Table 2 Application Fields

Field Name	Definition	Data Type (Field Length)	SOAPI Value	SCMP Value
Name	Name of application used.	VARCHAR2 (30)	Name	ics_applications
Rcode	One-digit code indicating whether the entire request was successful.	Number (12)	Rcode	ics_rcode
ReasonCode	---	---	ReasonCode	
Rflag	One-word description of the result of the entire request.	VARCHAR2 (50)	Rflag	ics_rflag
Rmsg	Message that explains the <ics_flag> value.	VARCHAR2 (255)	Rmsg	ics_rmsg

Authorization Results Fields

Table 3 Authorization Results Fields

Field Name	Definition	Data Type (Field Length)
AVSResult	Optional results of address verification test.	---
CVVResult	Optional results of card verification number test.	---

Bank Information Fields

Table 4 Bank Information Fields

Field Name	Definition	Data Type (Field Length)	SCMP Value
Address	Bank's address.	VARCHAR2 (50)	bank_address
BranchCode	Code that identifies the branch of the customer's bank when you are not using the IBAN.	VARCHAR2 (50)	branch_code
City	City in which the bank is located.	VARCHAR2 (50)	bank_city
Country	Country in which the bank is located.	VARCHAR2 (50)	bank_country
Name	Bank's name.	VARCHAR2 (50)	bank_name
SwiftCode	Bank's SWIFT code. Unique address of the bank. Also known as the Bank Identification Code (BIC).	VARCHAR2 (50)	bank_swift_code

Batch Fields

Table 5 Batch Fields

Field Name	Definition	Data Type (Field Length)	SCMP Value
BatchDate	Date when the batch was sent to the processor.	Date	batch_date
BatchID	CyberSource batch in which the transaction was sent.	VARCHAR2 (8)	batch_id
Status	Status of batch file.	VARCHAR2 (10)	status
SuccessFlag	Indicates whether batch file processing was successful.	VARCHAR	---

Bill To Fields

Table 6 Bill To Fields

Field Name	Definition	Data Type (Field Length)	SOAPI Value	SCMP Value
Address1	First line of the billing street address as it appears on the credit card issuer's records.	VARCHAR2 (400)	billTo_street1	bill_address1
Address2	Additional address information.	VARCHAR2 (400)	billTo_street2	bill_address1
City	City of the billing address.	VARCHAR2 (50)	billTo_city	bill_city
CompanyName	Name of the customer's company.	VARCHAR2 (60)	billTo_company	company_name
CompanyTaxID	Tax identification number of customer's company.	VARCHAR2 (9)	billTo_companyTaxID	bill_company_tax_id
Country	Country of the billing address.	VARCHAR2 (2)	billTo_country	bill_country
CustomerID	Your identifier for the customer.	VARCHAR2 (30)	billTo_customerID	customer_account_id
Email	Customer's email address, including the full domain name.	VARCHAR2 (1500)	billTo_email	customer_email
FirstName	First name of the billed customer.	VARCHAR2 60)	billTo_firstName	customer_firstname
HostName	DNS resolved hostname from billTo_ipAddress.	VARCHAR2 (255)	billTo_hostname	customer_hostname
IPAddress	Customer's IP address.	VARCHAR2 (15)	billTo_ipAddress	customer_ipaddress
LastName	Last name of the billed customer.	VARCHAR2 (60)	billTo_lastName	customer_lastname
MiddleName	Middle name of the billed customer.	VARCHAR2 (60)	billTo_middleName	customer_middlename
NameSuffix	Suffix of billed customer.	VARCHAR2 (60)	billTo_suffix	customer_suffix

Table 6 Bill To Fields (Continued)

Field Name	Definition	Data Type (Field Length)	SOAPI Value	SCMP Value
PersonalID	Personal identifier. This field is supported only for Redecard in Brazil for CyberSource Latin American Processing. Set this field to the Cadastro de Pessoas Fisicas (CPF), which is required for AVS for Redecard in Brazil.	VARCHAR2 (40)	billTo_personalID	personal_id
Phone	Customer's phone number.	VARCHAR2 (100)	billTo_phoneNumber	customer_phone
State	State or province of the billing address.	VARCHAR2 (64)	billTo_state	bill_state
Title	Title of the billed customer.	VARCHAR2 (30)	billTo_title	customer_title
UserName	Customer's user name.	VARCHAR2 (30)	billTo_customerUserName	customer_username
Zip	Zip/Postal code for the billing address. The postal code must consist of 5 to 9 digits.	VARCHAR2 (10)	billTo_postalCode	bill_zip

Case Management Fields (DM)

Table 7 Case Management Fields (Decision Manager)

Field Name	Definition
ActiveNumberOfRules	Indicates the number of rules in use in the profile.
ActiveProfileDecision	Decision of active profile.
ActiveProfileName	Name of the active profile.
ActiveProfileScore	Score of the active profile.
ActiveRuleDecision	Summarizes the active rule decision.
ActiveRuleName	Name of active rule as it appears in Profile Editor.
ActiveRuleScore	Score of the active rules.
OwnerOrganization	Organization name of the reviewer assigned to the order.
OwnerUsername	Specific reviewer assigned to the order.
PassiveNumberOfRules	Indicates the number of rules in use in the profile.
PassiveProfileDecision	Decision of passive profile.
PassiveProfileName	Name of the passive profile.
PassiveProfileScore	Score of the passive profile.
PassiveRuleDecision	Summarizes the passive rule decision.
PassiveRuleName	Name of passive rule as it appears in Profile Editor.
PassiveRuleScore	Score of the passive rules.
Priority	Degree of importance assigned to the order.
Queue	Order queue selected.
ReviewDate	Date and time of final decision.
ReviewDecision	Summarizes final outcome for the order.
ReviewNotes	Comments made by reviewer about the order.

Chargeback and Retrieval Fields

Table 8 Chargeback and Retrieval Fields

Field Name	Definition	Data Type (Field Length)
AdjustmentAmount	Amount of the chargeback adjustment.	Number
AdjustmentCurrency	Currency of the chargeback adjustment.	VARCHAR2 (3)
AdjustmentARN	Association reference number.	VARCHAR2 (64)

Table 8 Chargeback and Retrieval Fields (Continued)

Field Name	Definition	Data Type (Field Length)
CaseIdentifier	Numerical identifier created by CyberSource to represent a unique chargeback, representment, or other exception.	Number
CaseNumber	Processor-assigned case number.	VARCHAR2 (64)
CaseTime	The date that the case was opened.	Date
CaseType	Description of the case type.	VARCHAR
ChargebackAmount	Amount of the chargeback.	Number
ChargebackCurrency	Chargeback currency code.	VARCHAR2 (3)
ChargebackMessage	Text message from the issuer explaining the reason for the chargeback or other exception.	VARCHAR2 (64)
ChargebackReasonCode	Association chargeback reason code.	VARCHAR2 (10)
ChargebackReasonCode Description	Text description of the reason code.	VARCHAR2 (64)
ChargebackTime	The date that the chargeback was originated by the issuing bank.	Date
DocumentIndicator	Indicates whether or not there are associated documents. Possible values: <ul style="list-style-type: none"> ■ Y ■ N 	VARCHAR2 (1)
FeeAmount	Amount of the chargeback exception fee.	Number
FeeCurrency	Currency code for the chargeback exception fee.	VARCHAR2 (3)
FinancialImpact	Indicates whether or not there is a financial impact. Possible values: <ul style="list-style-type: none"> ■ Y ■ N 	VARCHAR2 (1)
FinancialImpactType	Debit, credit, or none.	VARCHAR2 (2)
MerchantCategoryCode	Four-digit number that the payment card industry uses to classify merchants into market segments.	VARCHAR2 (4)
PartialIndicator	Flag indicating whether the transaction is enabled for partial chargeback.	VARCHAR2 (1)
ResolutionTime	Resolution time in UTC.	Date

Table 8 Chargeback and Retrieval Fields (Continued)

Field Name	Definition	Data Type (Field Length)
ResolvedToIndicato	Indicates resolved to status of transaction. Possible values: <ul style="list-style-type: none"> ■ B (bank) ■ M (merchant) ■ S (split) ■ G (general ledger) 	VARCHAR2 (20)
RespondByDate	Date by which item must be submitted to the chargeback processor to allow sufficient time for representment.	Date
TransactionType	Capture type of the original transaction.	VARCHAR2 (6)

Check Fields

Table 9 Check Fields

Field Name	Definition	Data Type (Field Length)
BankTransitNumber	---	---
AccountEncoderID	Identifier for the bank that provided the customer's encoded account number.	VARCHAR2 (3)
SecCode	Authorization method used for the transaction.	VARCHAR2 (3)

Conversion Fields

Table 10 Conversion Fields

Field Name	Definition	Data Type (Field Length)
ConversionDate	Date order converted.	
NewDecision	Reviewer evaluation result.	
OriginalDecision	Order profile evaluation result.	
Profile	Order profile used to evaluate the order.	
Reviewer	Person who evaluated order originally marked for review.	
ReviewerComments	Additional information added by reviewer.	
Queue	Review queue originally assigned to order.	

Customer Fields (DM)

Table 11 Customer Fields (Decision Manager)

Field Name	Definition
BillingAddress1	First line of billing street address as it appears on credit card issuer's records.
BillingAddress2	Additional address information.
BillingCity	Billing address city.
BillingCompanyName	Customer's company name.
BillingCountry	Billing address country.
BillingEmail	Customer's email address.
BillingFirstName	First name of the billed customer.
BillingLastName	Last name of the billed customer.
BillingPhone	Customer's phone number.

Table 11 Customer Fields (Decision Manager) (Continued)

Field Name	Definition
BillingPostalCode	Billing address postal code.
BillingState	Billing address state or province.
CustomerID	Your identifier for the customer.
ShippingAddress1	First line of the shipping address.
ShippingAddress2	Second line of the shipping address.
ShippingCity	Shipping address city.
ShippingCompanyName	Recipient's company name.
ShippingCountry	Shipping address country.
ShippingFirstName	First name of the recipient.
ShippingLastName	Last name of the recipient.
ShippingPhone	Recipient's phone number.
ShippingPostalCode	Shipping address postal code.
ShippingState	Shipping address state or province.

Deposit Fields

Table 12 Deposit Fields

Field Name	Definition	Data Type (Field Length)
Amount	Amount of the deposit.	Number
Category	Category of the deposit.	VARCHAR2 (25)
Currency	Currency code of the deposit.	VARCHAR2 (3)
ExchangeRate	Exchange rate. Includes a decimal point and up to 4 decimal places.	Number
ExchangeRateDescription	Exchange rate description from the funding bank.	VARCHAR2 (64)
Identifier	Unique reference number for this deposit.	VARCHAR2 (64)
MerchantBankAcctLast4	Bank account number to which the funds transfer will be deposited. For security purposes, all but the last 4 digits are masked.	VARCHAR2 (4)
MerchantBankAcctName	Name used on the bank account.	VARCHAR2 (35)
MerchantBankCode	Routing number for the account to which the funds transfer will be deposited.	VARCHAR2 (35)
MerchantBankCountry	Country in which the bank is located. Use the two-character ISO Standard Country Codes.	VARCHAR2 (2)
MerchantBankName	Bank's name.	VARCHAR2 (35)
MerchantID	CyberSource merchant ID.	VARCHAR2 (30)
Method	Funds transfer method.	VARCHAR2 (25)
Status	Status of the deposit. Possible values: <ul style="list-style-type: none"> ■ S (success) ■ P (pending) ■ F (failed) 	VARCHAR2 (7)
Time	Deposit time for the transaction in UTC.	Date
TransferMessage	Deposit transfer message provided by the processor.	VARCHAR2 (64)
Type	Description of events included in this funds transfer.	VARCHAR2 (3)

Device Fields

Table 13 Device Fields

Field Name	Definition	Data Type (Field Length)
DeviceID	Identification number of device used for transaction.	VARCHAR2 (3)

Device Fingerprint Fields (DM)

Table 14 Device Fingerprint Fields (Decision Manager)

Field Name	Definition
BrowserLanguage	Comma-separated list of languages preferred or supported by the browser.
CookiesEnabled	Indicates if cookies are enabled in customer's browser.
DeviceFirstSeen	Date when the device was first encountered.
DeviceLatitude	Latitude of the GPS location of the device.
DeviceLongitude	Longitude of the GPS location of the device.
DeviceMatched	Longitude of the GPS location of the mobile device.
Fingerprint/DeviceFingerprint	Unique ID of a computer or other device.
FlashEnabled	Indicates if Flash is enabled in customer's browser.
FlashOperatingSystem	Device operating system as reported by Flash.
FlashVersion	Version of Flash installed on the device.
GPSAccuracy	Indicates the accuracy of the GPS location of the mobile device.
ImagesEnabled	Indicates if images are enabled in customer's browser.
Jailbreak/RootPrivileges	Indicates if a mobile device has root privileges.
Jailbreak/RootReason	Additional information describing elements on mobile device that triggered escalation to root privileges.
JavaScriptEnabled	Indicates if JavaScript is enabled in customer's browser.
ProfiledURL	URL of profiled page.
ProfilingDate/Time	Time of device profiling.
ProfilingDuration/RequestDuration	Total time in milliseconds to process the profiling request.
ProxyIPAddress	IP address of proxy if available.
ProxyIPAddressActivities	Actions associated with the proxy IP address.

Table 14 Device Fingerprint Fields (Decision Manager) (Continued)

Field Name	Definition
ProxyIPAddressAttributes	Characteristics associated with the proxy IP address.
ProxyServerType	Type of proxy server based on the HTTP header.
ScreenResolution	Screen resolution of the device.
SmartID	Device identifier generated from attributes collected during profiling.
SmartIDConfidenceLevel	Probability that the Smart ID is correctly identifying a returning device.
TimeOnPage	Time period in milliseconds that device profiling page displays on browser before it closes or user navigates away from the page.
TrueIPAddress	Customer's true IP address detected by the application.
TrueIPAddressActivities	Actions associated with the true IP address.
TrueIPAddressAttributes	Characteristics associated with the true IP address.
TrueIPAddressCity	City associated with the true IP address.
TrueIPAddressCountry	Country associated with the true IP address.
TypeofBrowserAgent	Indicates if a mobile device or a computer was used to initiate the session.

Emailage Fields (DM)

Table 15 Emailage Fields (Decision Manager)

Field Name	Definition
CompanyName	Name of company to which the email belongs.
DomainCategory	The category type for company's email domain.
DomainCompany	Domain of company to which the email belongs.
DomainCorporate	Indicates if domain is registered to a business.
DomainCountryCode	Domain of country code to which the email belongs.
DomainCreationDate	Creation date of the domain.
DomainCreationDate-DaysOld	Number of days since email domain was created.
DomainExists	Verifies if the email domain exists.
DomainName	The email address domain name.
DomainRisk	Provides risk level for the domain.
EmailCreationDate	Creation date of the email.
EmailCreationDate-DaysOld	Number of days since email account was created.
EmailExists	Verifies if email address exists.
EmailFirstSeenDate	The oldest time stamp found for records associated with email address.
EmailFirstSeenDate-DaysOld	Number of days since email was first seen.
EmailLocation	Location of the person who owns email address.
EmailNameMatch	Indicates status of the name of the customer matching the email owner.
EmailOwnerName	Name of the person who owns the email address.
EmailageReason	Provides information relevant to understanding the Emailage Risk Score.
EmailageReasonDescription	Provides information relevant to understanding the Emailage Risk Score.
EmailageRecommendation	Recommendation based on results of other Emailage fields.
EmailageRiskBand	Indicates the number associated with certain Emailage Score ranges.
EmailageScore	Proprietary algorithm that calculates the fraud risk associated with an email address.
FraudType	If multiple companies within the Emailage system marked the queried value as fraud, this field provides the most recent fraud type.
Gender	Gender of the person who owns the email address.
IP Postal	Postal code associated with the IP address.

Table 15 Emailage Fields (Decision Manager) (Continued)

Field Name	Definition
IPAnonymousProxy	Indicates if the user's IP address is an anonymous proxy.
IPCity	For U.S., city where the IP is located.
IPCountry	Name of the country associated with the IP.
IPRegion	For U.S., state where the IP is located.
IPReputation	Reputation of the proxy, indicates the likelihood that the user's IP address is an open proxy.
IPRiskLevel	Provides the fraud risk for the IP Address.
LastConfirmationDate	The last date the email address was queried in the Emailage system.
PhoneSyntaxValidation	Indicates if the phone syntax is valid.
SMLinks	Count of social media sites that match the queried email.
SocialMediaFriends	Total friends for the email owner located on social media sites.
SourceIndustry	If FraudType contains a value, this field provides the industry of the most recent company to mark the email as fraud or legitimate.
Title	Title of the email owner.
Totalhits	Number of times the email address was queried in the Emailage system in a 7 day period.
Uniquehits	Number of unique companies that queried the email address in the Emailage system in a 7 day period.

Event Fields

Table 16 Event Fields

Field Name	Definition	Data Type (Field Length)
Amount	Amount for the event.	Number (19)
CurrencyCode	Currency code for the event.	VARCHAR2 (5)
Event	Type of event that occurred for the transaction.	VARCHAR2 (20)
EventDate	Date in GMT format that the event occurred. This field can be null for some event types, such as Declined.	Date
ProcessorMessage	Additional information from the processor about the event, such as an error message or explanation.	VARCHAR2 (255)

Exception Fields

Table 17 Exception Fields

Field Name	Definition	Data Type (Field Length)
Action	Brief description of the action.	VARCHAR2 (20)
ClientID		---
CYBSExceptionID	Exception ID number assigned by CyberSource.	Number (18)
DccLookupStatus		---
DccExchangeRate		---
DccMarginRate		---
ExceptionAmount	Amount specified in the exception.	Number (19)
ExceptionAmountCurrency	Exception currency represented in ISO 4217:2008 alpha-3.	VARCHAR2 (255)
ExceptionCategory	Type of exception.	VARCHAR2 (20)
ExceptionDate	Date of exception.	Number (18)
ExceptionDescription		---
ExceptionDeviceHardwareRevision		---
ExceptionDeviceID		---
ExceptionDeviceOS		---
ExceptionDeviceOSVersion		---
ExceptionDeviceTerminalID		---
ExceptionMessage	Description of the exception.	VARCHAR2 (255)

Table 17 Exception Fields (Continued)

Field Name	Definition	Data Type (Field Length)
ExceptionReasonCode	Reason code for the error that occurred. This reason code is the same one that you receive in the reply or transaction receipt.	VARCHAR2 (60)
ExceptionReasonDescription	Description of exception reason.	VARCHAR2 (255)
ExceptionStatus	Current status of the transaction.	VARCHAR2 (30)
ExceptionStatusCode		---
ExceptionType	Type of exception.	Number (26)
FinancialStatus	Financial status of the transaction.	Number (5)
LastActionDate	Date of last action on the transaction.	Date
LocalCurrencyCode	Local currency code.	---
NextActionDate	Date of next action on the transaction.	Date
OriginalTransaction SubmissionDate	Date on which the transaction was submitted.	Date
PartnerMerchantID		---
PartnerMerchantName		---
PaymentNumber	Payment number.	VARCHAR2
ProcessorCaseID	Processor-assigned case number	VARCHAR2 (30)
ProcessorResponseCode	Code returned directly from the processor for the exception that occurred.	VARCHAR2 (12)
ReasonCode	Reason code for the exception that occurred.	VARCHAR2 (12)
RetryCount	Total number of payments that are pending in retry mode.	Number
SchemeOperator		---
SDKVersion		---
SettlementProcessor	Name of settlement processor.	VARCHAR2 (40)
StorageMechanism		---

Fee Fields

Table 18 Fee Fields

Field Name	Definition	Data Type (Field Length)
AcquirerInterchangeAmount	—	—
AssessmentAmount	Amount of the assessment.	Number
AssessmentCurrency	Currency of the assessment.	VARCHAR2 (3)
BillingCycle	Billing cycle of the merchant. Possible values: <ul style="list-style-type: none"> ■ daily ■ weekly ■ monthly 	VARCHAR2 (25)
BillingType	Billing type of the merchant. Possible values: <ul style="list-style-type: none"> ■ discount ■ interchangePlus ■ serviceFee ■ other 	VARCHAR2 (25)
ClearedInterchangeLevel	Code for the clearing level.	VARCHAR2 (3)
ConversionFee	Fee amount added for currency conversion.	—
ConversionFeeCurrency	—	—
DiscountAmount	DiscountRate *TransactionAmount. This value includes 4 decimal points.	Number
DiscountCurrency	Currency of the discount.	VARCHAR2 (3)
DiscountRate	Discount rate.	Number

Table 18 Fee Fields (Continued)

Field Name	Definition	Data Type (Field Length)
DowngradeReasonCode	Reason for downgrade. Possible values: <ul style="list-style-type: none"> ■ 1 : Transaction exceeded timeliness. ■ 2 : Authorization code is missing. ■ 8 : POS entry mode does not qualify. ■ 9 : POS condition code does not qualify. ■ A : POS terminal capability does not qualify. ■ D : Mail/phone/e-commerce indicator does not qualify. ■ K : Transaction cleared as intraregional. ■ L : Transaction cleared as interregional. ■ R : Reclassification. ■ U : UK domestic. ■ V : German domestic. ■ W : Transaction cleared as world signia. ■ X : Did not qualify at merchant price level 	VARCHAR2 (6)
ExchangeRate	—	—
GrossInterchangeAmount	—	—
InterchangeAmount	Final amount of transaction after the interchange rates are applied.	Number
InterchangeCurrency	ISO currency code for the currency of the clearing rate.	VARCHAR2 (3)
InterchangeRate	Interchange rate for the transaction.	Number
IssuerInterchangeAmount	—	—
MerchantID	—	—
OtherInterchangeAmount	—	—
PerItemFeeAmount	Fee for a single item.	Number
PerItemFeeCurrency	Currency for a single item fee.	VARCHAR2 (3)
PricedInterchangeLevel	Interchange flat rate that was assigned when you set up your account. This value includes 4 decimal points.	VARCHAR2 (3)
ReimbursementFee	—	—
ReimbursementFeeDebit CreditIndicator	—	—
ServiceFeeAmount	Amount of service fee for transaction.	Number
ServiceFeeAmountCcy	Currency of the service fee.	VARCHAR2 (3)

Table 18 Fee Fields (Continued)

Field Name	Definition	Data Type (Field Length)
ServiceFeeFixedAmount	Amount of the fixed service fee for the transaction.	Number
ServiceFeeFixedAmountCcy	Currency of the fixed service fee.	VARCHAR2 (3)
ServiceFeeRate	Percentage rate of the service fee.	Number
SettlementAmount	Amount of the settlement.	Number
SettlementCurrency	Currency of the settlement.	VARCHAR2 (3)
SettlementTime	Time the settlement was processed.	Date
SettlementTimeZone	Time zone of the settlement.	VARCHAR2 (6)
SourceDescriptor	—	VARCHAR2 (6)
TotalFeeAmount	Total amount of all fee transactions for the specified date range.	Number
TotalFeeCurrency	Currency for all fee transactions for the specified date range.	VARCHAR2 (3)
TransactionIntegrityFee	—	—
TransactionIntegrityFeeDebitCreditIndicator	—	—

Fee Summary Fields

Table 19 Fee Summary Fields

Field Name	Definition	Data Type (Field Length)
CardType	Card type.	---
Count	Count.	---
FeeDescription	Fee description.	---
FeeType	Fee type.	---
FundingCurrency	Currency in which fees applied.	---
PaymentMethod	Payment method used.	---
PercentageFee	Percentage fee.	---
PerItemFee	Fee charged per item.	---
TotalFeeAmount	Total fee amount.	---
TransactionAmount	Transaction amount.	---
TransactionType	Transaction type.	---

Funding Fields

Table 20 Funding Fields

Field Name	Definition	Data Type (Field Length)
CurrencyExchange Description	Exchange rate description from the processor.	VARCHAR2 (64)
CurrencyExchangeRate	Exchange rate for converting from transaction currency to funding currency.	Number
FeeAmount	Fee for the transaction.	Number
FeeCurrency	Fee currency represented in ISO 4217:2008 alpha-3.	VARCHAR2 (3)
FeeDescription	Fee description from the processor.	VARCHAR2 (64)
FundingAccountSuffix	Last 4 digits of funding account.	VARCHAR2 (40)
FundingAmount	Funding amount of the transaction.	Number
FundingBankCode	Bank code of the funding bank.	---
FundingBankCountry	Bank country of the funding bank represented in ISO 3166-1 alpha-3.	---
FundingBankName	Name of bank funding the transaction.	---
FundingCurrency	Funding currency represented in ISO 4217:2008 alpha-3.	VARCHAR2 (3)
FundingDate	Funding date of the transaction.	Date

Table 20 Funding Fields (Continued)

FundingIdentification Number	Funding identification for the funding of the transaction.	VARCHAR2 (64)
FundingProcessor Message	Funding response message from the processor.	VARCHAR2 (64)
FundingTransferMessage	Funding transfer message provided by the processor.	VARCHAR2 (64)
ProcessorResponseCode	Funding response code from the processor.	VARCHAR2 (10)
Status	Funding status. Possible values: <ul style="list-style-type: none"> ■ S (success) ■ P (pending) ■ F (failed) 	VARCHAR2 (10)

Fund Transfer Fields

Table 21 Fund Transfer Fields

Field Name	Definition	Data Type (Field Length)
BankCheckDigit	Code used to validate the customer's account number.	CHAR (2)
IbanIndicator	International Bank Account Number (IBAN).	CHAR (1)

Invoice Fields

Table 22 Invoice Fields

Field Name	Definition	Data Type (Field Length)
BillingGroupDescription	Description of the billing group.	VARCHAR2 (50)
NotProcessed	Number of unprocessed transactions.	Number
OrganizationID	Merchant ID.	VARCHAR2 (30)
PerformedServices	CyberSource ICS service name.	VARCHAR2 (30)
Processed	Number of processed transactions.	Number
Total	Invoice count.	Number

Japanese Payment (JP) Fields

Table 23 Japanese Payment Fields

Field Name	Definition
Amount	Transaction grand total.
AuthForward	Name of Japanese acquirer that processed transaction. Available only for CCS (CAFIS) and JCN Gateway.
AuthorizationCode	Transaction authorization code.
CardSuffix	Last four digits of card.
Currency	Currency used in transaction.
CustomerFirstName	Customer first name.
CustomerLastName	Customer last name.
Date	Date of transaction.
Gateway	Name of gateway used to process transaction.
JPOInstallmentMethod	Number of payment installments (Japanese payment method only).

Table 23 Japanese Payment Fields (Continued)

Field Name	Definition
JPOPaymentMethod	Type of Japanese payment method used.
MerchantID	CyberSource (gateway) merchant identifier.
MerchantReferenceNumber	Merchant order reference or tracking number.
NetworkTokenTransType	Network token transaction type.
PaymentMethod	Method of payment.
RequestID	Client request identifier.
SubscriptionID	Customer profile identifier for requested service.
Time	Time of transaction.
TransactionReferenceNumber	Reference number used to reconcile CyberSource (gateway) reports with processor reports.
TransactionType	Type of transaction.

Line Item Fields

Table 24 Line Item Fields

Field Name	Definition	Data Type (Field Length)	SOAPI Value	SCMP Value
FulfillmentType	Information about the product code used for the line item.	VARCHAR2 (2)	—	offer#_fulfillment_type
InvoiceNumber	Invoice number for order.	VARCHAR2 (30)	item_#_invoiceNumber	offer#_invoice_number
MerchantProductSku	Identification code for the product.	VARCHAR2 (255)	item_#_productSKU	offer#_merchant_product_sku
Number	Number of the line item in an order.	Number	—	—
ProductCode	Used to determine product category: electronic, handling, physical, service, or shipping.	VARCHAR2 (255)	item_#_productCode	offer#_product_code
ProductName	Name of product.	VARCHAR2 (255)	item_#_productName	offer#_product_name
Quantity	Quantity of product.	Number (12)	item_#_quantity	offer#_quantity
TaxAmount	Total tax to apply to the product.	Number (19)	item_#_taxAmount	offer#_tax_amount
UnitPrice	Per-item price of the product.	Number	item_#_unitPrice	offer#_amount

Mark As Suspect Fields (DM)

Table 25 Mark As Suspect Fields (Decision Manager)

Field Name	Definition
MarkingDate	Date the order was marked.
MarkingNotes	Notes about the customer or the order.
MarkingReason	Selected reason for marking the order.
MarkingUserName	Identity of the user marking the order.

Merchant-Defined Data Fields (DM)

Table 26 Merchant-Defined Data Fields (Decision Manager)

Field Name	Definition	Data Type (Field Length)
MerchantDefinedData1	Field that you can use to store information.	VARCHAR2 (1175)
MerchantDefinedData2	Field that you can use to store information.	VARCHAR2 (1175)
MerchantDefinedData3	Field that you can use to store information.	VARCHAR2 (1175)
MerchantDefinedData4	Field that you can use to store information.	VARCHAR2 (1175)

Merchant Defined Data Fields

Table 27 Merchant Defined Data Fields

Field Name	Definition	Data Type (Field Length)	SOAPI Value	SCMP Value
Merchant DefinedData_ field1	Fields that you can use to store information (Field1 - Field20).	VARCHAR2 (1175)	merchantDefinedData_ field1	merchant_defined_ data1

Order Fields (DM)

Table 28 Order Fields (Decision Manager)

Field Name	Definition
ConnectionMethod	Method of sending the order to CyberSource.
GiftWrap	Indicates if the customer requested gift wrapping for this purchase.
MerchantID	Your CyberSource merchant ID.
MerchantReferenceNumber	Order or tracking number.
Price	Price of each item.
ProductCode	Type of product in the offer.
ProductName	Name of the product.
ProductSKU	Merchant's product.
Quantity	Quantity of product being purchased.
ReasonCode	One-digit code that indicates if the entire request was successful.
ReplyCode	One-digit code that indicates if the entire request was successful.
ReplyFlag	One-word description of the result of the entire request.
ReplyMessage	Message that explains the reply flag.
RequestID	Identifier for the request generated by the client.
ReturnAccepted	Indicates if returns are accepted for this order.
ShippingMethod	Shipping method for the product.
TaxTax	Total tax to apply to the product.
TransactionDate	Date of transaction.

Payer Authentication Detail Request Fields

Table 29 Payer Authentication Detail Request Fields

Field Name	Definition
MerchantID	CyberSource merchant ID used for the transactions.
RequestID	Identifier for the transaction request.
TransactionDate	Date on which the transaction took place.
TransactionID	Identifier of transaction.
TransactionType	Transaction type.

Payer Authentication Request Fields

Table 30 Payer Authentication Request Fields

Field Name	Definition
AccountID	Account identifier.
AcquirerBin	Acquiring bank identification number.
CardExpiry	Card expiration.
Country	Country.
MerchantID	Merchant identifier.
MerchantName	Merchant name.
MerchantURL	Merchant URL.
PurchaseAmount	Purchase amount.
PurchaseDate	Purchase date.
PurchaseXID	Purchase XID.

Payer Authentication Response Fields

Table 31 Payer Authentication Response Fields

Field Name	Definition
AcquirerBin	Acquiring bank identification number.
AuthTime	Authorization time.
CAVV	CAVV.
ECI	Ecommerce indicator.
MerchantID	Merchant identifier.
PurchaseAmount	Purchase amount.
PurchaseDate	Purchase date.
PurchaseXID	Purchase XID.
TransactionStatus	Transaction status.

Payment Data Fields

Table 32 Payment Data Fields

Field Name	Definition	Data Type (Field Length)	SCMP Value
AAV_CAVV	Optional authentication data that you can receive after the customer is authenticated.	VARCHAR2 (3)	cavv

Table 32 Payment Data Fields (Continued)

Field Name	Definition	Data Type (Field Length)	SCMP Value
ACHVerificationResult	Raw result of the ACH Verification service.	---	ecp_debit_verification_code_raw
ACHVerificationResult Mapped	Mapped result of the ACH Verification service.	---	ecp_debit_verification_code
AcquirerMerchantID	---	---	---
AcquirerMerchantNumber	Identifier that was assigned to you by your acquirer. This value must be printed on the receipt.	String (15)	---
Amount	Grand total for the order.	Number (19)	grand_total_amount
AuthIndicator	---	---	---
AuthorizationCode	Authorization code for the payment.	VARCHAR2 (15)	auth_code
AuthorizationType	Authorization type of the payment.	VARCHAR2 (1)	auth_type
AuthReversalAmount	---	---	---
AuthReversalResult	---	---	---
AVSResult	Raw code for Address Verification Service result for the payment.	VARCHAR2 (10)	auth_avs_raw
AVSResultMapped	Address Verification Service result for the payment.	VARCHAR2 (5)	auth_auth_avs
BalanceAmount	Remaining balance on the account.	Number (19)	account_balance
BalanceCurrencyCode	Currency of the remaining balance on the account.	VARCHAR2 (3)	account_balance_currency
BankAccountName	Name of account holder.	VARCHAR2 (90)	bank_account_name
BankCode	Bank code or sort code for the account if a bank account was used for the transaction.	VARCHAR2 (15)	bank_code
BatchFilesID	---	---	---
BinNumber	Bank identification number.	VARCHAR2 (6)	---
CardCategory	Type of card used in the transaction.	VARCHAR2 (10)	---
CardCategoryCode	Category code of card used in the transaction	---	---
CardPresent	Indicates whether the card is present at the time of the transaction.	String (1)	---

Table 32 Payment Data Fields (Continued)

Field Name	Definition	Data Type (Field Length)	SCMP Value
CardVerificationMethod	---	---	---
CurrencyCode	Currency code for the payment.	VARCHAR2 (3)	currency
CustomerAccountID	---	---	---
CVResult	CVN result code.	---	auth_cv_result
DCCIndicator	Flag that indicates whether DCC is being used for the transaction.	VARCHAR2 (1)	dcc_indicator
ECI	Optional information that you can receive if you use the Payer Authentication service.	Number (5)	e_commerce_indicator
eCommerceIndicator	Type of eCommerce transaction.	CHAR (1)	---
EMVRequestFallback	Indicates that a fallback method was used to enter credit card information into the POS terminal.	String (5)	---
EVEmail	Mapped Electronic Verification response code for the customer's email address.	VARCHAR2 (5)	auth_ev_email
EVEmailRaw	Raw Electronic Verification response code from the processor for the customer's email address.	VARCHAR2 (10)	auth_ev_email_raw
EventType	Type of event that occurred for the transaction.	---	---
EVName	Mapped Electronic Verification response code for the customer's name.	VARCHAR2 (5)	auth_ev_name
EVNameRaw	Raw Electronic Verification response code from the processor for the customer's last name.	VARCHAR2 (10)	auth_ev_name_raw
EVPhoneNumber	Mapped Electronic Verification response code for the customer's phone number.	VARCHAR2 (5)	auth_ev_phone_number
EVPhoneNumberRaw	Raw Electronic Verification response code from the processor for the customer's phone number.	VARCHAR2 (10)	auth_ev_phone_number_raw

Table 32 Payment Data Fields (Continued)

Field Name	Definition	Data Type (Field Length)	SCMP Value
EVPostalCode	Mapped Electronic Verification response code for the customer's postal code.	VARCHAR2 (5)	auth_ev_postal_code
EVPostalCodeRaw	Raw Electronic Verification response code from the processor for the customer's postal code.	VARCHAR2 (10)	auth_ev_postal_code_raw
EVStreet	Mapped Electronic Verification response code for the customer's street address.	VARCHAR2 (5)	auth_ev_street
EVStreetRaw	Raw Electronic Verification response code from the processor for the customer's street address.	VARCHAR2 (10)	auth_ev_street_raw
ExchangeRate	Exchange rate.	Number (27)	exchange_rate
ExchangeRateDate	Time stamp for the exchange rate.	Date	exchange_rate_timestamp
GrandTotal	Grand total amount for the order, including tax, for requests that do not contain payment information.	Number (19)	---
IssuerResponseCode	Additional authorization code that must be printed on the receipt when returned by the processor.	VARCHAR2 (15)	---
MandateReferenceNumber	---	---	---
NetworkCode	---	---	---
NumberOfInstallments	Total number of installments when making payments in installments.	VARCHAR2 (3)	installment_total_count
OriginalAmount	---	---	---
OriginalCurrency	---	---	---
PaymentProcessor	Name of payment processor.	VARCHAR2 (40)	payment_processor
PaymentProductCode	Type of payment product used by the consumer to pay on a payment provider's site, such as installments or bank transfer	---	---
PaymentRequestID	Original request ID for the purchase.	Number (26)	---
PinType	Method that was used to verify the cardholder's identity.	Integer (1)	---

Table 32 Payment Data Fields (Continued)

Field Name	Definition	Data Type (Field Length)	SCMP Value
POSCatLevel	Type of cardholder-activated terminal	Non-negative Integer (1)	cat_level
POSEntryMode	Method of entering credit card information into the POS terminal.	String (11)	pos_entry_mode
POSEnvironment	Operating environment.	String (1)	pos_environment
ProcessorMID	---	---	---
ProcessorResponseCode	The error message sent directly from the bank.	VARCHAR2 (60)	auth_auth_response response_code
ProcessorResponseID	Response ID sent from the processor.	VARCHAR2 (50)	---
ProcessorTID	Transaction identification (TID) that is used to identify and track a transaction throughout its life cycle.	VARCHAR2 (60)	terminal_id
ProcessorTransactionID	---	---	auth_processor_trans_id
RequestedAmount	Amount requested to be authorized.	Number (19)	auth_request_amount
RequestedAmountCurrency Code	Currency for the amount requested to be authorized.	VARCHAR2 (5)	auth_request_amount_ currency
RoutingNetworkType	Processor scheme used for routing the transaction.	String (1)	---
SolutionType	---		
StoreAndForwardIndicator	When connectivity is unavailable, the client software that is installed on the POS terminal can store a transaction in its memory and send it for authorization when connectivity is restored.	String (5)	store_and_forward_indicator
SubMerchantCity	Submerchant's city.	---	submerchant_city
SubMerchantCountry	Submerchant's country.	---	submerchant_country
SubMerchantEmail	Submerchant's email address.	---	submerchant_email
SubMerchantID	Identifier assigned to submerchant.	---	submerchant_id
SubMerchantName	Submerchant's name.	---	submerchant_name
SubMerchantPhone	Submerchant's phone number.	---	submerchant_phone
SubMerchantPostalCode	Submerchant's Zip/Postal code.	---	submerchant_postal_code

Table 32 Payment Data Fields (Continued)

Field Name	Definition	Data Type (Field Length)	SCMP Value
SubMerchantState	Submerchant's state.	---	submerchant_state
SubMerchantStreet	First line of submerchant's street address.	---	submerchant_street
TargetAmount	Converted amount.	Number (19)	foreign_amount
TargetCurrency	Billing currency.	VARCHAR2 (3)	foreign_currency
TerminalIDAlternate	Identifier for an alternate terminal at your retail location.	String (8)	---
TotalTaxAmount	Total tax amount for all of the line items in the transaction.	Number (19)	total_tax_amount
TransactionRefNumber	Reference number for the transaction.	VARCHAR2 (60)	---
XID	Optional transaction identifier generated by Payer Authentication that you can receive when the customer is enrolled and when validation is successful.	VARCHAR2 (40)	xid

Payment Method Fields

Table 33 Payment Method Fields

Field Name	Definition	Data Type (Field Length)	SOAPI Value	SCMP Value
AccountEncoderID	—	—	AccountEncoder ID	account_encoder_id
AccountSuffix	Last four digits of the customer's payment account number.	VARCHAR2 (4)	card_suffix	customer_cc_number
AccountType	—	—	AccountType	ecp_account_type
BankAccountName	Bank's account name.	VARCHAR2 (90)	BankAccount Name	bank_account_name
BankCheckDigit	—	—	BankCheckDigit	bank_check_digit
BankCity	—	—	BankCity	bank_city

Table 33 Payment Method Fields (Continued)

Field Name	Definition	Data Type (Field Length)	SOAPI Value	SCMP Value
BankCode	Bank's code. Used for some countries when you are not using the IBAN. Contact CyberSource Customer Support for required country-specific bank account information.	VARCHAR2 (15)	BankInfo_ bankCode	bank_code
BankCountry	—	—	BankCountry	bank_country
BankNumber	—	—	BankNumber	bank_number
BankTransit Number	—	—	BankTransit Number	ecp_rdfi
BoletoBarCode Number	Numeric representation of the boleto barcode.	VARCHAR2 (50)	---	boleto_payment_bar_ code_number
BoletoNumber	Boleto Bancário payment number.	VARCHAR2 (50)	boletoNumber	boleto_payment_ boleto_number
BranchCode	—	—	BranchCode	branch_code
CardCategory	Type of card used.	VARCHAR2 (10)	cardCategory	auth_card_category
CardCategoryCode	Code for card type used.	VARCHAR2 (10)	---	auth_card_category_ code
CardType	Type of card to authorize.	VARCHAR2 (5)	card_cardType	card_type
CheckNumber	Check number.	VARCHAR2 (10)	check_ checkNumber	ecp_check_no
EffectiveDate	—	—	effectiveDate	ecp_effective_date
ExpirationMonth	Two-digit month in which the credit card expires.	VARCHAR2 (4)	card_ expirationMonth	customer_cc_expmo
ExpirationYear	Four-digit year in which the credit card expires.	VARCHAR2 (4)	card_ expirationYear	customer_cc_expyr
IbanIndicator	—	—	IbanIndicator	
IssueNumber	Number of times a Maestro (UK Domestic) card has been issued to the account holder.	VARCHAR2 (5)	card_ issueNumber	customer_cc_issue_ number
Mandateld	Identification reference for the direct debit mandate.	VARCHAR2 (35)	---	direct_debit_mandate_ mandate_id
MandateType	Type of mandate.	VARCHAR2 (20)	---	---
NetworkToken TransType	—	—	NetworkToken TransType	network_token_trans_ type

Table 33 Payment Method Fields (Continued)

Field Name	Definition	Data Type (Field Length)	SOAPI Value	SCMP Value
OverridePayment Method	—	—	—	—
SignatureDate	Date of signature.	Date	---	---
StartMonth	Month of the start of the Maestro (UK Domestic) card validity period.	VARCHAR2 (4)	card_startMonth	customer_cc_startmo
StartYear	Year of the start of the Maestro (UK Domestic) card validity period.	VARCHAR2 (4)	card_startYear	customer_cc_startyr
SwiftCode	—	—	SwiftCode	bank_swiftcode
TypeDescription	—	—	—	[DERIVED]
WalletType	Type of wallet.	VARCHAR2 (20)	partnerSolutionID	wallet_type

Payment Fields (DM)

Table 34 Payment Fields (Decision Manager)

Field Name	Definition
AccountSuffix	Last four digits of the customer's payment account number.
AuthEVAddress1	Mapped Electronic Verification response code for the customer's street address.
AuthEVEmail	Mapped Electronic Verification response code for the customer's email address.
AuthEVLastName	Mapped Electronic Verification response code for the customer's last name.
AuthEVPhone	Mapped Electronic Verification response code for the customer's phone number.
AuthEVPostalCode	Mapped Electronic Verification response code for the customer's postal code.
AVSResultMapped	Address Verification Service result for the payment.
CardBIN	Six-digit card issuer bank identification number.
CardBINCountry	Country associated with the origin of the card.
CardIssuer	Name of the bank.
CardScheme	Subtype of card account.
CardType	Type of payment card account.
CardVerificationResult	Raw result of the ACH Verification service.
ECommerceIndicator	Type of eCommerce transaction.
LocalCurrencyCode	Your local pricing currency code.
LocalOrderAmount	Amount in your original local pricing currency.
OrderAmount	Grand total amount or the individual line-item amounts.
OrderCurrency	Currency used for the order.

POS Terminal Exceptions Fields

Table 35 POS Terminal Exceptions Fields

Field Name	Definition	Data Type (Field Length)
AccountSuffix	—	—
Amount	—	—
BillToEmail	Email address of the user.	String (255)
CardVerificationMethod	Type of customer verification.	String (60)

Table 35 POS Terminal Exceptions Fields (Continued)

Field Name	Definition	Data Type (Field Length)
ClientID	Client identifier for an installation; generated by the operating system.	String (60)
CurrencyCode	—	—
DCCExchangeRate	Dynamic Currency Conversion exchange rate.	Decimal (22.4)
DCCLookupStatus	Lookup Status of Dynamic Currency Conversion.	String (255)
DCCMarginRate	Margin rate of Dynamic Currency Conversion.	Decimal (22.4)
DeviceHardwareRevision	Hardware revision printed on the back of the credit card reader.	String (60)
DeviceID	Serial number printed on the back of the credit card reader. Dashes are stripped from the serial number.	String (1024)
DeviceOS	Operating system of the device.	String (60)
DeviceOSVersion	Operating system version of the device.	String (30)
DeviceTerminalID	Terminal identifier assigned to the credit card reader; used by the clearing institute to identify credit card readers.	String (255)
ExceptionCategory	Status of the transaction.	String (255)
ExceptionDescription	Detailed description of the status of the transaction.	String (255)
ExceptionStatusCode	Code that represents the status of the transaction.	String (255)
ExpirationMO	—	—
ExpirationYR	—	—
FirstName	—	—
LastName	—	—
LocalCurrencyCode	Three-digit security code for the local currency.	String (3)
MerchantID	—	---
PartnerMerchantID	Three-digit identifier for the partner merchant.	String (3)
PartnerMerchantName	Name of the merchant that performed the transaction.	String (100)
PartnerOriginalTransaction ID	Unique identifier of the transaction.	String (60)

Table 35 POS Terminal Exceptions Fields (Continued)

Field Name	Definition	Data Type (Field Length)
ProcessorMID	Merchant identifier of the merchant that performed the transaction; as assigned by the clearing institute.	String (120)
POSTerminalException. RequestID	Unique identifier of the transaction processor; for debugging purposes.	Integer (26)
SchemeOperator	Scheme of the credit card.	String (60)
SDKVersion	Version of the software development kit (SDK).	String (30)
StorageMechanism	Source from which payment details have been collected.	String (60)
TerminalID	Terminal identifier of the merchant that performed the transaction.	String (60)
TransactionDate	—	---

Profile Fields

Table 36 Profile Fields

Field Name	Definition	Data Type (Field Length)
Name	Name of the profile.	VARCHAR2 (30)
ProfileDecision	Decision returned by the profile.	VARCHAR2 (255)
ProfileMode	Activity mode of the profile.	VARCHAR2 (1)
RuleDecision	Decision returned by the rule.	VARCHAR2 (255)
RuleName	Name of the rule.	VARCHAR2 (30)

Proof XML Fields

Table 37 Proof XML Fields

Field Name	Definition	Data Type (Field Length)
AcquirerBin	Acquiring bank identification number.	---
Date	Transaction date.	---
DirectoryServerURL	Directory server URL.	---
Enrolled	Enrollment indicator.	---
MerchantID	CyberSource merchant ID used for transaction.	---
Pan	Customer masked account number.	---
Password	Password.	---

Recipient Fields

Table 38 Recipient Fields

Field Name	Definition	Data Type (Field Length)
Address	Recipient street address.	---
City	Recipient city.	---
Country	Recipient country.	---
DOB	Recipient date of birth.	---
FirstName	Recipient first name.	---
LastName	Recipient last name.	---
MiddleInitial	Recipient name middle initial.	---
PhoneNumber	Recipient phone number.	---

Table 38 Recipient Fields (Continued)

PostalCode	Recipient postal code.	---
RecipientBillingAmount	Transaction billed amount.	Number (19)
RecipientBillingCurrency	Recipient billing currency.	CHAR (3)
ReferenceNumber	Recipient reference number.	---
State	Recipient state.	---

Request Fields

Table 39 Request Fields

Field Name	Definition	Data Type (Field Length)	SOAPI Value	SCMP Value
Comments	Optional comments that you can make about the subscription or customer profile.	VARCHAR2 (255)	Comments	comments
eCommerceIndicator	Transaction type.	---	---	e_commerce_ indicator
LocalizedrequestDate	---	---	[DERIVED]	[DERIVED]
MerchantID	CyberSource merchant ID used for the transactions.	VARCHAR2 (30)	---	---
MerchantReference Number	Merchant's order reference or tracking number.	Number (38)	Merchant ReferenceNumber	merchant_ref_ number
PartnerOriginal TransactionID	Partner original transaction identifier.	---	---	partner_original_ transaction_id
PartnerSDKVersion	Partner SDK version.	---	PartnerSDKVersion	partner_sdk_ version
RequestID	Identifier for the transaction request.	Number (26)	RequestID	request_id
Source	Source of request.	---	Source	source
SubscriptionID	Identifier for the customer profile.	VARCHAR2 (26)	SubscriptionID	subscription_id
TerminalSerialNumber	—	---	TerminalSerial Number	terminal_serial_ number
TransactionDate	Date on which the transaction took place.	Date	RequestDate	transaction_date
TransactionID	—	---	TransactionId	---
TransactionRefNumber	Transaction identifier.	---	Transaction ReferenceNumber	trans_ref_no

Table 39 Request Fields (Continued)

TransactionType	Transaction type.	---	---	---
User	Information about a user.	VARCHAR2 (30)	---	---
LocalizedRequestDate	Localized request date.	---	---	---

Risk Fields

Table 40 Risk Fields

Field Name	Definition	Data Type (Field Length)	SOAPI Value	SCMP Value
AppliedAVS	Indicates whether or not Address Verification Service rules were applied to the transaction.	---	---	---
AppliedCategoryGift	Importance of billing and shipping addresses in assessing the order. If you do not specify a value in your request, the server uses the default value for your merchant ID.	VARCHAR2 (1)	---	---
AppliedCategoryTime	Importance of time of day in assessing the order. If you do not specify a value in your request, the server uses the default value for your merchant ID.	VARCHAR2 (6)	---	---
AppliedCV	Indicates whether or not Card Verification was applied to the transaction.	VARCHAR2 (1)	---	---
AppliedHostHedge	Importance of email and IP addresses of the customer in assessing the order. If you do not specify a value in your request, the server uses the default value for your merchant ID.	VARCHAR2 (6)	---	---
AppliedThreshold	Score threshold applied to the order.	Number (7)	---	---

Table 40 Risk Fields (Continued)

Field Name	Definition	Data Type (Field Length)	SOAPI Value	SCMP Value
AppliedTimeHedge	Importance of time of day in assessing the order. If you do not specify a value in your request, the server uses the default value for your merchant ID.	VARCHAR2 (6)	---	---
AppliedVelocityHedge	Importance of the number of orders from the customer in a specific time period in assessing the order. If you do not specify a value in your request, the server uses the default value for your merchant ID.	VARCHAR2 (6)	---	---
BinAccountType	Type of customer.	VARCHAR2 (2)	---	score_bin_account_type
BinCountry	Country (two-digit country code) associated with the BIN of the customer's card used for the payment.	VARCHAR2 (2)	---	score_bin_country
BinIssuer	Name of the bank or entity that issued the card account.	VARCHAR2 (128)	---	score_card_issuer
BinScheme	Subtype of card account.	VARCHAR2 (64)	---	score_card_scheme
CodeType	Category of information code returned for an order.	---	---	score_code_type
CodeValue	Description of the information code returned in the <CodeType> element.	---	---	---
ConsumerLoyalty	Indicates whether a loyalty program is used or the number of the loyalty reward account that is used.	VARCHAR2 (1)	---	---
ConsumerPassword Provided	Reserved for future use.	VARCHAR2 (1)	---	---
ConsumerPromotions	Reserved for future use.	VARCHAR2 (1)	---	---

Table 40 Risk Fields (Continued)

Field Name	Definition	Data Type (Field Length)	SOAPI Value	SCMP Value
CookiesAccepted	Indicates whether the customer's Web browser accepts cookies. This field can contain one of the following values: <ul style="list-style-type: none"> ■ true: The customer's browser accepts cookies. ■ false: The customer's browser does not accept cookies. 	VARCHAR2 (1)	---	---
CookiesEnabled	Indicates whether cookies are enabled in the customer's browser.	VARCHAR2 (1)	deviceFingerprint_cookiesEnabled	score_device_fingerprint_cookies_enabled
DeviceFingerPrint	Indicates whether Device Fingerprint is used.	VARCHAR2 (80)	---	---
Factors	Information that affected the score of the order.	VARCHAR2 (100)	---	---
FlashEnabled	Indicates whether Flash is enabled in the customer's browser.	VARCHAR2 (1)	deviceFingerprint_flashEnabled	score_device_fingerprint_flash_enabled
GiftWrap	Reserved for future use.	VARCHAR2 (1)	---	---
HostSeverity	Risk associated with the customer's email domain.	Number (7)	---	---
ImagesEnabled	Indicates whether images are enabled in the customer's browser.	VARCHAR2 (1)	deviceFingerprint_imagesEnabled	score_device_fingerprint_images_enabled
IPCity	Name of the city decoded from the IP address used directly or indirectly by the customer to send the order.	VARCHAR2 (50)	---	score_ip_city
IPCountry	Name of the country decoded from the IP address used directly or indirectly by the customer to send the order.	VARCHAR2 (60)	---	score_ip_country
IPRoutingMethod	Routing method decoded from the IP address used directly or indirectly by the customer to send the order.	VARCHAR2 (30)	---	score_ip_routing_method

Table 40 Risk Fields (Continued)

Field Name	Definition	Data Type (Field Length)	SOAPI Value	SCMP Value
IPState	Name of the state decoded from the IP address used directly or indirectly by the customer to send the order.	VARCHAR2 (20)	---	score_ip_state
JavascriptEnabled	Indicates whether JavaScript is enabled in the customer's browser.	VARCHAR2 (1)	deviceFingerprint_javascriptEnabled	score_device_fingerprint_javascript_enabled
LostPassword	Reserved for future use.	VARCHAR2 (1)	---	---
ProductRisk	Indicates the level of risk for the product. This field can contain one of the following values: <ul style="list-style-type: none"> ■ low: The product is associated with few chargebacks. ■ normal: The product is associated with a normal number of chargebacks. ■ high: The product is associated with many chargebacks. 	VARCHAR2 (6)	---	---
ProxyIPAddress	IP address of the proxy if it is available.	VARCHAR2 (64)	deviceFingerprint_proxyIPAddress	score_device_fingerprint_proxy_ipaddress
ProxyIPAddress Activities	Actions associated with the proxy IP address.	VARCHAR2 (255)	deviceFingerprint_proxyIPAddressActivities	score_device_fingerprint_proxy_ipaddress_activities
ProxyIPAddress Attributes	Characteristics associated with the proxy IP address.	VARCHAR2 (255)	deviceFingerprint_proxyIPAddressAttributes	score_device_fingerprint_proxy_ipaddress_attributes
ProxyServerType	Type of proxy server based on the HTTP header.	VARCHAR2 (12)	deviceFingerprint_proxyServerType	score_device_fingerprint_proxy_server_type
RepeatCustomer	Reserved for future use.	VARCHAR2 (1)	---	---

Table 40 Risk Fields (Continued)

Field Name	Definition	Data Type (Field Length)	SOAPI Value	SCMP Value
ReturnsAccepted	Indicates whether returns are accepted for this order. This field can contain one of the following values: <ul style="list-style-type: none"> ■ true: Returns are accepted for this order. ■ false: Returns are not accepted for this order. 	VARCHAR2 (1)	---	---
Score	Total score calculated for the order.	Number	---	---
TimeLocal	Local time of order.	Date	---	score_time_local
TrueIPAddress	Customer's true IP address detected by the application.	VARCHAR2 (64)	deviceFingerprint_trueIPAddress	score_device_fingerprint_true_ipaddress
TrueIPAddressActivities	Actions associated with the true IP address.	VARCHAR2 (255)	deviceFingerprint_trueIPAddressActivities	score_device_fingerprint_true_ipaddress_activities
TrueIPAddressAttributes	Characteristics associated with the true IP address.	VARCHAR2 (255)	deviceFingerprint_trueIPAddressAttributes	score_device_fingerprint_true_ipaddress_attributes
TrueIPAddressCity	City associated with the true IP address.	VARCHAR2 (50)	deviceFingerprint_trueIPAddressCity	score_device_fingerprint_true_ipaddress_city
TrueIPAddressCountry	Country associated with the true IP address.	VARCHAR2 (2)	deviceFingerprint_trueIPAddressCountry	score_device_fingerprint_true_ipaddress_country

Sender Fields

Table 41 Sender Fields

Field Name	Definition	Data Type (Field Length)	SOAPI Value	SCMP Value
Address	Sender address.	---	SenderAddress	sender_address
City	Sender city.	---	SenderCity	sender_city
Country	Sender country.	---	SenderCountry	sender_country

Table 41 Sender Fields (Continued)

DOB	Sender date of birth.	---	SenderDOB	sender_date_of_birth
FirstName	Sender first name.	---	SenderFirstName	sender_firstname
LastName	Sender last name.	---	SenderLastName	sender_lastname
MiddleInitial	Sender name middle initial.	---	SenderMiddleInitial	sender_middle_initial
PhoneNumber	Sender phone number.	---	SenderPhone Number	sender_phone_number
PostalCode	Sender postal code.	---	SenderPostalCode	sender_postal_code
SenderReference Number	Reference number generated by you that uniquely identifies the sender.	VARCHAR2 (16)	SenderReference Number	sender_reference_number
SourceOfFunds	Source of funds.	---	SenderSourceOf Funds	sender_source_of_funds
State	Sender state.	---	SenderState	sender_state

Settlement Fields

Table 42 Settlement Fields

Field Name	Definition	Data Type (Field Length)
SettlementAge	Settlement aging.	Number
SettlementAmount	Amount settled for transaction.	Number
SettlementCurrencyCode	Currency code applied to settlement.	VARCHAR2 (3)
SettlementDate	Date settlement applied.	Date
SourceResponseCode	Response code sent from source.	VARCHAR2 (10)
SourceResponseMessage	Response message sent from source.	VARCHAR2 (64)
Status	Settlement status. Possible values: <ul style="list-style-type: none"> ▪ S (success) ▪ P (pending) ▪ F (failed) 	VARCHAR2 (10)

Shipping Fields

Table 43 Shipping Fields

Field Name	Definition	Data Type (Field Length)	SCMP Values
Carrier	Carrier used to ship product.	VARCHAR2 (12)	
Method	Shipping method for the product.	VARCHAR2 (10)	shipping_method

Ship To Fields

Table 44 Ship To Fields

Field Name	Definition	Data Type (Field Length)	SOAPI Values	SCMP Values
Address1	Shipping address first line.	VARCHAR2 (400 CHAR)	shipTo_Address1	ship_to_address1
Address2	Shipping address second line.	VARCHAR2 (400 CHAR)	shipTo_Address2	ship_to_address2
City	Shipping city.	VARCHAR2 (50 CHAR)	shipTo_city	ship_to_city
CompanyName	---	---	shipTo_companyName	---

Table 44 Ship To Fields (Continued)

Country	Shipping address country.	VARCHAR2 (60 CHAR)	shipTo_country	ship_to_country
FirstName	Recipient first name.	VARCHAR2 (60 CHAR)	shipTo_firstName	ship_to_firstname
LastName	Recipient last name.	VARCHAR2 (60 CHAR)	shipTo_lastName	ship_to_lastname
Phone	Recipient phone number.	VARCHAR2 (100 CHAR)	shipTo_phoneNumber	ship_to_phone
State	Shipping address state or province.	VARCHAR2 (25 CHAR)	shipTo_state	ship_to_state
Zip	Shipping address Zip/postal code.	VARCHAR2 (10 CHAR)	shipTo_postalCode	ship_to_postal_zip

Token Fields

Table 45 Token Fields

Field Name	Definition	Data Type (Field Length)
NetworkTokenTransType	Network token transaction type.	---
TokenCode	Transaction token code.	VARCHAR (255)

Travel Fields (DM)

Table 46 Travel Fields (Decision Manager)

Field Name	Definition	Data Type (Field Length)
CompleteRoute	Concatenation of individual travel legs.	VARCHAR2 (255)
DepartureDateTime	First leg departure date and time.	Date
JourneyType	Type of travel.	VARCHAR2 (32)
Number	Passenger number.	
PassengerFirstName	Passenger's first name.	VARCHAR2 (60)
PassengerEmail	Passenger's email address, including the complete domain name.	VARCHAR2 (1500)
PassengerId	Ticketed passenger identifier.	VARCHAR2 (32)
PassengerLastName	Passenger's last name.	VARCHAR2 (60)
PassengerPhone	Passenger's phone number.	VARCHAR2 (100)
PassengerStatus	Company's passenger classification, such as frequent flyer program.	VARCHAR2 (32)
PassengerType	Passenger classification associated with the price of the ticket.	VARCHAR2 (32)

Velocity Morphing Fields (DM)

Table 47 Velocity Morphing Fields (Decision Manager)

Field Name	Description
Count	Velocity morphing count information.

Verify Enrollment Request Fields

Table 48 Verify Enrollment Request Fields

Field Name	Definition	Data Type (Field Length)
AcquirerBin	Acquiring bank identification number.	---
MerchantID	Merchant identifier.	---
Pan	Customer masked account number.	---

Verify Enrollment Response Fields

Table 49 Verify Enrollment Response Fields

Field Name	Definition	Data Type (Field Length)
AccountID	Account identifier.	---
AcsUrl	ACS URL.	---
Enrolled	Indicates enrollment verified.	---