

# **Airline Processing for CyberSource through VisaNet Using the Simple Order API**

**Supplement to *Credit Card Services  
for CyberSource through VisaNet  
Using the Simple Order API***

April 2019

**CyberSource<sup>®</sup>**  
**the power of payment**

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# Recent Revisions to This Document

Release	Changes
April 2019	Added the <code>invoiceHeader_merchantDescriptor</code> field. See <a href="#">"Request Fields," page 13</a> , and <a href="#">"Examples," page 25</a> .
August 2018	Made technical corrections and improvements to the XML examples.
January 2018	This revision contains only editorial changes and no technical updates.
December 2017	This revision contains only editorial changes and no technical updates.
August 2017	Moved the relaxed requirements information to a web page: <a href="#">Relaxed Requirements for Address Data and Expiration Date page</a> .
June 2017	Updated the maximum number of legs for all card types to 4. See <a href="#">Table 3, "Airline Data Processing Features," on page 12</a> .

# About This Guide

## Audience and Purpose

This guide is written for application developers who want to use the CyberSource Simple Order API to integrate credit card processing with airline data into their order management system.

Implementing the CyberSource credit card services requires software development skills. You must write code that uses the API request and reply fields to integrate the credit card services into your existing order management system.

## Conventions

The following special statements are used in this document:



**Note**

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



**Important**

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

The following text conventions are used in this document:

**Table 1 Text Conventions**

Convention	Meaning
<b>boldface</b>	<ul style="list-style-type: none"> <li>■ API field names</li> <li>■ API service names</li> <li>■ Graphical user interface elements that you must act upon</li> </ul>
Screen text	Code in examples or possible values for API fields

## Related Documentation

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- *Getting Started with CyberSource Advanced for the Simple Order API* ([PDF](#) | [HTML](#)) describes how to get started using the Simple Order API.
- *Credit Card Services for CyberSource through VisaNet Using the Simple Order API* describes how to integrate CyberSource payment processing services into your business. Contact CyberSource Customer Support to request this document.

Refer to the Support Center for complete CyberSource technical documentation:

[http://www.cybersource.com/support\\_center/support\\_documentation](http://www.cybersource.com/support_center/support_documentation)

## Customer Support

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

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

# Working with Airline Data

This addendum to *Credit Card Services for CyberSource through VisaNet Using the Simple Order API* describes airline data processing with CyberSource.



**Important**

This CyberSource document provides guidelines based on industry information that indicates which fields are needed to obtain the best interchange rate. The payment card companies can change their requirements at any time; contact your acquirer for the latest information.



**Note**

To use CyberSource Decision Manager for transactions that include airline data, you must use the item-level passenger fields that are listed in the [Decision Manager Using the Simple Order API Developer Guide](#).

## Prerequisites

When you are ready to go live with airline data processing, contact CyberSource Customer Support to have your account configured to process airline data. If your account is not enabled, and you try to send airline transactions, you will receive an error for invalid data.

## CyberSource Airline Data Processing

CyberSource does not store the airline data. Instead, it functions as a pass-through service for the data. CyberSource enforces only the minimal level of field validation.



### Note

CyberSource temporarily disables your account's airline data processing capability and contacts you if your airline data transactions produce batching errors when the information is sent to the processor. If this happens, your request is not rejected, but you receive a field in the reply indicating that the airline data in the request has been ignored and not sent to the processor.

- For captures, the reply field is **ccCaptureReply\_enhancedDataEnabled**.
- For credits, the reply field is **ccCreditReply\_enhancedDataEnabled**.

The possible values for the reply field are:

- Y: the airline data was included in the request to the processor.
- N: the airline data was not included in the request to the processor.

## Relaxed Requirements for Address Data and Expiration Date

To enable relaxed requirements for address data and expiration date, contact CyberSource Customer Support to have your account configured for this feature. For details about relaxed requirements, see the [Relaxed Requirements for Address Data and Expiration Date](#) page.

## Special Characters

Only ASCII characters are supported in airline data. Special characters are not supported. For example, in the passenger name field, you should not include the apostrophe, hyphen, or comma for the names in the following table.

**Table 2 Special Characters in Names**

Incorrect	Correct
Tom D'Angelo	Tom D Angelo
Susan Smith-Hawkins	Susan Smith Hawkins
Jones, Linda	Jones Linda

## Numbered Elements

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The CyberSource XML schema includes several numbered elements. You can include these complex elements more than once in a request. For example, when a customer order includes more than one item, you must include multiple `<item>` elements in your request. Each item is numbered, starting with 0. The XML schema uses an `id` attribute in the item's opening tag to indicate the number. For example:

```
<item id="0">
```

As a name-value pair field name, this tag is represented as **item\_0**. In this portion of the field name, the underscore before the number does not indicate hierarchy in the XML schema. The item fields are generically referred to as **item\_#\_<element name>** in the documentation.

Below is an example of the numbered `<item>` element and the corresponding name-value pair field names. If you are using SOAP, the client contains a corresponding `Item` class.

### Example 1 Numbered XML Schema Element Names and Name-Value Pair Field Names

XML Schema Element Names	Corresponding Name-Value Pair Field Names
<pre>&lt;item id="0"&gt;   &lt;unitPrice&gt;   &lt;quantity&gt; &lt;/item&gt;</pre>	<pre>item_0_unitPrice item_0_quantity</pre>
<pre>&lt;item id="1"&gt;   &lt;unitPrice&gt;   &lt;quantity&gt; &lt;/item&gt;</pre>	<pre>item_1_unitPrice item_1_quantity</pre>



#### Important

When a request is in XML format and includes an `<item>` element, the element must include an `id` attribute. For example: `<item id="0">`.

## Requesting Captures and Credits with Airline Data

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**Important**

To send airline data, the industry data type field must be set to `airline`. If this field is not set to `airline` or is not included in the request, no airline data is sent to the processor.

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### To include airline data in a capture or credit:

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**Step 1** Authorize a credit card payment.

**Step 2** Capture the authorization.

Include the following information in the capture request:

- Airline data: see the chapter in this document for the processor you are using. Do not include special characters in the airline data. For more information, see "[Special Characters](#)," page 8.
- Industry data type field: the field name is **ccCaptureService\_industryDatatype**. Set this field to `airline` to indicate that the request includes airline data.
- Basic fields required for every capture request.  
For more information, see *Credit Card Services for CyberSource through VisaNet Using the Simple Order API*.
- You can optionally include fields for card-present transactions.  
For more information, see *Card-Present Processing for CyberSource through VisaNet Using the Simple Order API*.

**Step 3** Check the capture reply message.

The reply message includes a field that indicates whether CyberSource sent the airline information to the processor. The field name is **ccCaptureReply\_enhancedDataEnabled**. The possible values are:

- `Y`: the account and card type are enabled for airline data. The airline data was included in the request to the processor.
- `N`: the account or the card type is not enabled for airline data. The airline data was not included in the request to the processor.

If your account is not enabled for airline data, or if you did not include the industry data type field in your request, CyberSource does not include the airline data in the request sent to the processor.

**Step 4** If necessary, credit the payment.

Include the following information in the credit request:

- Airline data: see the chapter in this document for the processor you are using. Do not include special characters in the airline data. For more information, see "[Special Characters](#)," page 8.
- Industry data type field: the field name is **ccCreditService\_industryDatatype**. Set this field to `airline` to indicate that the request includes airline data.
- Basic fields required for every credit request.

For more information, see *Credit Card Services for CyberSource through VisaNet Using the Simple Order API*.

**Step 5** If you credited the payment, check the credit reply message.

The reply message includes a field that indicates whether CyberSource sent the airline information to the processor. The field name is **ccCreditReply\_enhancedDataEnabled**. The possible values are:

- **Y**: the account and card type are enabled for airline data. The airline data was included in the request to the processor.
- **N**: the account or the card type is not enabled for airline data. The airline data was not included in the request to the processor.

If your account is not enabled for airline data, or if you did not include the industry data type field in your request, CyberSource does not include the airline data in the request sent to the processor.

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# CyberSource through VisaNet Airline Data

## Requirements

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**Important**

When you are ready to go live with airline data processing, contact CyberSource Customer Support to have your account configured to process airline data. If your account is not enabled, and you try to send airline transactions, you will receive an error for invalid data.

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**Important**

Values for all airline fields must consist of English characters.

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## Airline Data Processing

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The following table describes various features for airline data processing with CyberSource through VisaNet.

**Table 3 Airline Data Processing Features**

Feature	Description
Ancillary Services	Available for capture and credit requests.  Ancillary services include checked baggage, carry-on baggage, meals, on-board entertainment, internet connections, advanced seating, upgraded seating, telephone reservations, early boarding, canceled reservations, modified reservations, pet transportation, and third-party services such as hotel rooms, car rentals, and pick-up and delivery services.
Supported Card Types	Visa Mastercard American Express Discover

**Table 3 Airline Data Processing Features (Continued)**

Feature	Description
Travel Legs	<p>Maximum number of travel legs: 4</p> <p>Numbering for the travel legs: 0 to 3</p> <p>You must include information for at least the first leg of the trip (leg 0). You must use consecutive numbers for the legs; do not skip a number. If you skip a number, CyberSource ignores the legs that follow the skipped number.</p>

## Special Data Type

Normally, the string data type indicates a sequence of letters, numbers, spaces, and special characters, such as @ and #. CyberSource through VisaNet also supports a restricted string data type that indicates a sequence of letters, numbers, and spaces; special characters are not included.

## Request Fields

The tables in this section describe the airline request fields to use with a capture or credit request.



**Important**

When you send a capture or credit request with airline data, you must include the basic fields required for every capture or credit request. For information about the non-airline-data fields required for capture and credit requests, see *Credit Card Services for CyberSource through VisaNet Using the Simple Order API*. You can also include fields for card-present transactions. See *Card-Present Processing for CyberSource through VisaNet Using the Simple Order API*.



**Note**

If you are using the Simple Order API in XML format, you must use version 1.121 or later of the XML schema to implement airline data in capture and credit requests for CyberSource through VisaNet.

Table 4 General Request Fields

CyberSource Field Name	CyberSource through VisaNet Field Name	Description	Required / Optional <sup>1</sup>	Data Type & Length <sup>1</sup>
airlineData_agentCode	agencyCode	IATA <sup>2</sup> code for the travel agency. Format: English characters only.	Optional	Restricted String (8) <sup>3</sup>
airlineData_agentName	agencyName	Name of the travel agency that is issuing the ticket. Format: English characters only.	Optional	String (25)
airlineData_arrivalDate	arrivalDate	Date of arrival for the last leg of the trip. Format: MMDDYYYY English characters only.	Optional	String (8)
airlineData_carrierName	carrierName	Airline that generated the ticket. Format: English characters only.	Optional	Discover: String (19)  All other card types: String (25)
airlineData_clearingCount	clearingSequence Count	Total number of clearing messages associated with the authorization request. Format: English characters only.	Optional	Integer (2)
airlineData_clearingSequence	clearingSequence Number	Number that identifies the clearing message when multiple clearing messages are allowed per authorized transaction.  Each clearing message linked to one authorization request must include a unique clearing sequence number between 1 and the total number of clearing records.  Format: English characters only.	Optional	Integer (2)

1 Unless otherwise indicated, the information in this column applies to all card types for which airline data is supported as described in "Airline Data Processing," page 12.

2 IATA=International Air Transport Association

3 See "Special Data Type," page 13.

Table 4 General Request Fields (Continued)

CyberSource Field Name	CyberSource through VisaNet Field Name	Description	Required / Optional <sup>1</sup>	Data Type & Length <sup>1</sup>
airlineData_ creditReasonIndicator	creditReason Indicator	Reason for the credit. Possible values: <ul style="list-style-type: none"> <li>■ A: Cancellation of the ancillary passenger transport purchase.</li> <li>■ B: Cancellation of the airline ticket and the passenger transport ancillary purchase.</li> <li>■ C: Cancellation of the airline ticket.</li> <li>■ O: Other.</li> <li>■ P: Partial refund of the airline ticket.</li> </ul> Format: English characters only.	Optional	String (1)
airlineData_ customerCode	customerCode	Reference number or code that identifies the cardholder.  Format: English characters only.	Optional	Restricted String (25) <sup>3</sup>
airlineData_ documentType	documentType	Airline document type code that specifies the purpose of the transaction. For the possible values, see <a href="#">Appendix A, "Airline Document Type Codes,"</a> on page 30.  Format: English characters only.	Optional	String (2)
airlineData_ electronicTicket	electronicTicket	Flag that indicates whether an electronic ticket was issued. Possible values: <ul style="list-style-type: none"> <li>■ Y: Yes</li> <li>■ N: No</li> </ul> Format: English characters only.	Optional	String (1)
airlineData_ exchangeTicketAmount	exchangeTicket Amount	Amount of the exchanged ticket.  Format: English characters only.	Optional	String (12)
airlineData_ exchangeTicketFee	exchangeTicket Fee	Fee for exchanging the ticket.  Format: English characters only.	Optional	String (12)

1 Unless otherwise indicated, the information in this column applies to all card types for which airline data is supported as described in "Airline Data Processing," page 12.

2 IATA=International Air Transport Association

3 See "Special Data Type," page 13.

Table 4 General Request Fields (Continued)

CyberSource Field Name	CyberSource through VisaNet Field Name	Description	Required / Optional <sup>1</sup>	Data Type & Length <sup>1</sup>
airlineData_ numberOfPassengers	numberOf Passengers	Number of passengers for whom the ticket was issued.  Format: English characters only.	Optional	String (3)
airlineData_passengerName	passengerName	Passenger's name. Do not include special characters such as commas, hyphens, or apostrophes. Only ASCII characters are supported.  Format: English characters only.	Optional	String (20)
airlineData_planNumber	planNumber	Plan number based on the fare. This value is provided by the airline.  Format: English characters only.	Optional	String (2)
airlineData_purchaseType	ticketType	Type of purchase. Possible values:  <ul style="list-style-type: none"> <li>■ EXC: Exchange ticket</li> <li>■ MSC: Miscellaneous (not a ticket purchase and not a transaction related to an exchange ticket)</li> <li>■ REF: Refund</li> <li>■ TKT: Ticket</li> </ul> Format: English characters only.	Optional	String (3)
airlineData_ reservationSystem	reservation System	Code that specifies the computerized reservation system used to make the reservation and purchase the ticket.  Format: English characters only.	Optional	Restricted String (4) <sup>1</sup>
airlineData_ restrictedTicketIndicator	restrictedTicket Indicator	Flag that indicates whether the ticket is restricted (nonrefundable). Possible values:  <ul style="list-style-type: none"> <li>■ 0: No restriction (refundable)</li> <li>■ 1: Restricted (nonrefundable)</li> </ul> Format: English characters only.	Optional	Restricted String (1) <sup>3</sup>

<sup>1</sup> Unless otherwise indicated, the information in this column applies to all card types for which airline data is supported as described in "Airline Data Processing," page 12.

<sup>2</sup> IATA=International Air Transport Association

<sup>3</sup> See "Special Data Type," page 13.

Table 4 General Request Fields (Continued)

CyberSource Field Name	CyberSource through VisaNet Field Name	Description	Required / Optional <sup>1</sup>	Data Type & Length <sup>1</sup>
airlineData_ticketIssueDate	ticketIssueDate	Date on which the transaction occurred.  Format: MMDDYYYY Format: English characters only.	Optional	String (8)
airlineData_ticketIssuerCity	ticketIssueCity	City in which the transaction occurred. If the name of the city exceeds 18 characters, use meaningful abbreviations.  Format: English characters only.	Optional	String (18)
airlineData_ticketIssuerCode	issuerCode	IATA <sup>2</sup> airline code.  Format: English characters only.	Mastercard: Required  All other card types: Optional	String (4)
airlineData_ticketNumber	ticketNumber	Ticket number.  Format: English characters only.	Optional	Restricted String (15) <sup>3</sup>
airlineData_ticketRestrictionText	ticketRestrictionText	Text that describes the ticket limitations, such as <i>non-refundable</i> .  Format: English characters only.	Optional	String (20)
airlineData_ticketUpdateIndicator	ticketChangeIndicator	Type of update. Possible values: <ul style="list-style-type: none"> <li>■ C: Change to the existing ticket.</li> <li>■ N: New ticket.</li> </ul> Format: English characters only.	Optional	String (1)
airlineData_totalClearingAmount	clearingAmount	Total clearing amount for all transactions in the clearing count set. This value cannot exceed 99999999999999999999 (twenty 9s).  Format: English characters only.	Optional	String (20)

1 Unless otherwise indicated, the information in this column applies to all card types for which airline data is supported as described in "Airline Data Processing," page 12.  
2 IATA=International Air Transport Association  
3 See "Special Data Type," page 13.

Table 4 General Request Fields (Continued)

CyberSource Field Name	CyberSource through VisaNet Field Name	Description	Required / Optional <sup>1</sup>	Data Type & Length <sup>1</sup>
airlineData_totalFee	totalFee	Total fee for the ticket. This value cannot exceed 99999999999999999999 (twenty 9s). Format: English characters only.	Optional	String (20)
ccCaptureService_ industryDatatype	No corresponding processor field	Flag that indicates that the transaction includes airline data. This field must be set to <code>airline</code> in order for airline data to be sent to the processor. If this field is not set to <code>airline</code> or is not included in the request, CyberSource does not send airline data to the processor. Format: English characters only.	Required for captures	String (7)
ccCreditService_ industryDatatype	No corresponding processor field	Flag that indicates that the transaction includes airline data. This field must be set to <code>airline</code> in order for airline data to be sent to the processor. If this field is not set to <code>airline</code> or is not included in the request, CyberSource does not send airline data to the processor. Format: English characters only.	Required for credits	String (7)
invoiceHeader_ merchantDescriptor	merchantName	Your merchant name. This name is displayed on the cardholder's statement. When you include more than one consecutive space, extra spaces are removed. <b>Note</b> Some airline fee programs may require the original ticket number (ticket identifier) or the ancillary service description in positions 13 through 23 of this field. <b>Important</b> This value must consist of English characters.	Required for captures and credits	String (23)

<sup>1</sup> Unless otherwise indicated, the information in this column applies to all card types for which airline data is supported as described in "Airline Data Processing," page 12.

<sup>2</sup> IATA=International Air Transport Association

<sup>3</sup> See "Special Data Type," page 13.

Table 5 Ancillary Request Fields

CyberSource Field Name	CyberSource through VisaNet Field Name	Description	Required / Optional <sup>1</sup>	Data Type & Length <sup>1</sup>
ancillaryData_connectedTicketNumber	connectedTicketDocumentNumber	<p>Number for the airline ticket to which the ancillary purchase is connected.</p> <p>If this purchase has a connection or relationship to another purchase such as a baggage fee for a passenger transport ticket, this field must contain the ticket number for the other purchase.</p> <p>For a stand-alone purchase, the value for this field must be the same as the value for the <b>ancillaryData_ticketNumber</b> field.</p> <p><b>Important</b> This field is required in the U.S. in order for you to qualify for either the custom payment service (CPS) or the electronic interchange reimbursement fee (EIRF) program.</p> <p>Format: English characters only.</p>	Optional	String (15)
ancillaryData_creditReasonIndicator	creditReasonIndicator	<p>Reason for the credit. Possible values:</p> <ul style="list-style-type: none"> <li>■ A: Cancellation of ancillary purchase.</li> <li>■ B: Cancellation of airline ticket and ancillary purchase.</li> <li>■ O: Other.</li> </ul> <p>Format: English characters only.</p>	Optional	String (1)

<sup>1</sup> Unless otherwise indicated, the information in this column applies to all card types for which airline data is supported as described in "Airline Data Processing," page 12.

Table 5 Ancillary Request Fields (Continued)

CyberSource Field Name	CyberSource through VisaNet Field Name	Description	Required / Optional <sup>1</sup>	Data Type & Length <sup>1</sup>
ancillaryData_passengerName	passengerName	Name of the passenger. If the passenger's name is not available, this value is the cardholder's name. If neither the passenger's name nor the cardholder's name is available, this value is a description of the ancillary purchase.  <b>Important</b> This field is required in the U.S. in order for you to qualify for either the custom payment service (CPS) or the electronic interchange reimbursement fee (EIRF) program.  Format: English characters only.	Optional	String (20)
ancillaryData_service_#_categoryCode	category	Category code for the ancillary service that is provided. Obtain the codes from the International Air Transport Association (IATA).  <b>Note</b> # is either 0, 1, 2, or 3.  <b>Important</b> This field is required in the U.S. in order for you to qualify for either the custom payment service (CPS) or the electronic interchange reimbursement fee (EIRF) program.  Format: English characters only.	Optional	String (4)
ancillaryData_service_#_subcategoryCode	subCategory	Subcategory code for the ancillary service category. Obtain the codes from the International Air Transport Association (IATA).  <b>Note</b> # is 0, 1, 2, or 3.  Format: English characters only.	Optional	String (4)
<p><sup>1</sup> Unless otherwise indicated, the information in this column applies to all card types for which airline data is supported as described in "Airline Data Processing," page 12.</p>				

Table 5 Ancillary Request Fields (Continued)

CyberSource Field Name	CyberSource through VisaNet Field Name	Description	Required / Optional <sup>1</sup>	Data Type & Length <sup>1</sup>
ancillaryData_ticketNumber	ticketDocument Number	Ticket number, which consists of the carrier code, form, and serial number, without the check digit.  <b>Important</b> This field is required in the U.S. in order for you to qualify for either the custom payment service (CPS) or the electronic interchange reimbursement fee (EIRF) program.  Format: English characters only.	Optional	String (15)
<p><sup>1</sup> Unless otherwise indicated, the information in this column applies to all card types for which airline data is supported as described in "Airline Data Processing," page 12.</p>				

Table 6 Request Fields for Travel Legs

CyberSource Field Name	CyberSource through VisaNet Field Name	Description	Required / Optional <sup>1</sup>	Data Type & Length <sup>1</sup>
airlineData_leg_#_arrivalTime	arrivalTime	Time of arrival for this leg of the trip. The format is military time and HHMM: If not all zeros, then the hours must be 00-23 and the minutes must be 00-59.  Format: English characters only.	Optional	Integer (4)
airlineData_leg_#_arrivalTimeSegment	arrivalTime Segment	AM or PM for the arrival time for this leg of the trip. Possible values:  <ul style="list-style-type: none"> <li>■ A: 12:00 midnight to 11:59 a.m.</li> <li>■ P: 12:00 noon to 11:59 p.m.</li> </ul> Format: English characters only.	Optional	Restricted String (1) <sup>2</sup>
airlineData_leg_#_carrierCode	carrierCode	IATA <sup>3</sup> code for the carrier for this leg of the trip.  Format: English characters only.	Optional	Restricted String (2) <sup>2</sup>
<p><sup>1</sup> Unless otherwise indicated, the information in this column applies to all the card types for which airline data is supported as described in "Airline Data Processing," page 12.</p> <p><sup>2</sup> See "Special Data Type," page 13.</p> <p><sup>3</sup> IATA=International Air Transport Association</p>				

Table 6 Request Fields for Travel Legs (Continued)

CyberSource Field Name	CyberSource through VisaNet Field Name	Description	Required / Optional <sup>1</sup>	Data Type & Length <sup>1</sup>
airlineData_leg_#_class	serviceClass	IATA <sup>3</sup> code for the class of service for this leg of the trip. Format: English characters only.	Optional	Restricted String (1) <sup>2</sup>
airlineData_leg_#_conjunctionTicket	conjunctionTicket	Ticket that contains additional coupons for this leg of the trip on an itinerary that has more than four segments. Format: English characters only.	Optional	Restricted String (25) <sup>2</sup>
airlineData_leg_#_couponNumber	couponNumber	Coupon number. Each leg on the ticket requires a separate coupon, and each coupon is identified by the coupon number. Format: English characters only.	Optional	Restricted String (1) <sup>2</sup>
airlineData_leg_#_departureDate	departureDate	Departure date for this leg of the trip. The format is MMDDYY. Format: English characters only.	Optional	Integer (6)
airlineData_leg_#_departureTime	departureTime	Time of departure for this leg of the trip. The format is military time and HHMM: If not all zeros, then the hours must be 00-23 and the minutes must be 00-59. Format: English characters only.	Optional	Integer (4)
airlineData_leg_#_departureTimeSegment	departureTimeSegment	AM or PM for the departure time for this leg of the trip. Possible values: <ul style="list-style-type: none"> <li>■ A: 12:00 midnight to 11:59 a.m.</li> <li>■ P: 12:00 noon to 11:59 p.m.</li> </ul> Format: English characters only.	Optional	Restricted String (1) <sup>2</sup>
airlineData_leg_#_destination	destination	IATA <sup>3</sup> code for the destination airport for this leg of the trip. Format: English characters only.	Optional	Restricted String (3) <sup>2</sup>

1 Unless otherwise indicated, the information in this column applies to all the card types for which airline data is supported as described in "Airline Data Processing," page 12.  
2 See "Special Data Type," page 13.  
3 IATA=International Air Transport Association

Table 6 Request Fields for Travel Legs (Continued)

CyberSource Field Name	CyberSource through VisaNet Field Name	Description	Required / Optional <sup>1</sup>	Data Type & Length <sup>1</sup>
airlineData_leg_#_endorsementsRestrictions	endorsementRestrictions	Notes or notations about endorsements and restrictions for this leg of the trip.  Endorsements can be notations added by the travel agency, including mandatory government-required notations such as value added tax.  Restrictions are limitations for the ticket based on the type of fare, such as a nonrefundable ticket or a 3-day minimum stay.  Format: English characters only.	Optional	String (20)
airlineData_leg_#_exchangeTicket	exchangeTicket	New ticket number that is issued when the ticket is exchanged for this leg of the trip.  Format: English characters only.	Optional	Restricted String (25) <sup>2</sup>
airlineData_leg_#_fare	fare	Total fare for this leg of the trip.  Format: English characters only.	Optional	String (12)
airlineData_leg_#_fareBasis	fareBasisCode	Code for the fare basis for this leg of the trip. The fare basis is assigned by the carriers and indicates a particular ticket type, such as business class or discounted/nonrefundable.  Format: English characters only.	Optional	Restricted String (6) <sup>2</sup>
airlineData_leg_#_fee	fee	Fee for this leg of the trip, such as an airport fee or country fee.  Format: English characters only.	Optional	String (12)
airlineData_leg_#_flightNumber	flightNumber	Flight number for this leg of the trip.  Format: English characters only.	Optional	Restricted String (5) <sup>2</sup>
<p>1 Unless otherwise indicated, the information in this column applies to all the card types for which airline data is supported as described in "Airline Data Processing," page 12.</p> <p>2 See "Special Data Type," page 13.</p> <p>3 IATA=International Air Transport Association</p>				

Table 6 Request Fields for Travel Legs (Continued)

CyberSource Field Name	CyberSource through VisaNet Field Name	Description	Required / Optional <sup>1</sup>	Data Type & Length <sup>1</sup>
airlineData_leg_#_originatingAirportCode	airportCode	IATA <sup>3</sup> code for the originating airport for this leg of the trip. Format: English characters only.	Optional	Restricted String (3) <sup>2</sup>
airlineData_leg_#_stopoverCode	stopoverCode	Code that indicates whether a stopover is allowed on this leg of the trip. Possible values: <ul style="list-style-type: none"> <li>■ O (capital letter "O") (default): Stopover allowed</li> <li>■ X (capital letter "X"): Stopover not allowed</li> </ul> Format: English characters only.	Optional	Restricted String (1) <sup>2</sup>
airlineData_leg_#_tax	tax	Tax for this leg of the trip. Format: English characters only.	Optional	String (12)

1 Unless otherwise indicated, the information in this column applies to all the card types for which airline data is supported as described in "Airline Data Processing," page 12.

2 See "Special Data Type," page 13.

3 IATA=International Air Transport Association

Table 7 Item-Level Field

CyberSource Field Name	CyberSource through VisaNet Field Name	Description	Required / Optional <sup>1</sup>	Data Type & Length <sup>1</sup>
item_#_taxAmount	totalTaxes	Tax portion of the order amount. This value cannot exceed 99999999999999 (fourteen 9s). See " <a href="#">Numbered Elements</a> ," page 9. Format: English characters only.	Optional	String (14)

1 Unless otherwise indicated, the information in this column applies to all the card types for which airline data is supported as described in "Airline Data Processing," page 12.

## Examples

---

### Name-Value Pair Examples

#### Example 2 Capture Request with Airline Data

---

```

merchantID=World Wide Travel
merchantReferenceCode=R98TV09EN200W
invoiceHeader_merchantDescriptor=World Wide Travel
purchaseTotals_currency=USD
purchaseTotals_grandTotalAmount=204.78
ccCaptureService_run=true
ccCaptureService_authRequestID=0839543530000172034078
ccCaptureService_industryDatatype=airline
airlineData_agentCode=98222147
airlineData_agentName=Cyber Vacations
airlineData_ticketNumber=02721187251
airlineData_restrictedTicketIndicator=0
airlineData_passengerName=Johnny Smith
airlineData_leg_0_carrierCode=AA
airlineData_leg_0_originatingAirportCode=SJC
airlineData_leg_0_departureDate=121511
airlineData_leg_0_destination=SEA
airlineData_leg_0_fareBasis=HL7WNR
airlineData_leg_0_couponNumber=1
airlineData_leg_0_departureTime=0931
airlineData_leg_0_departureTimeSegment=A
airlineData_leg_0_arrivalTime=1131
airlineData_leg_0_arrivalTimeSegment=A
airlineData_leg_1_carrierCode=AA
airlineData_leg_1_originatingAirportCode=SEA
airlineData_leg_1_departureDate=122011
airlineData_leg_1_destination=SJC
airlineData_leg_1_fareBasis=HL7WNR
airlineData_leg_1_couponNumber=2
airlineData_leg_1_departureTime=1625
airlineData_leg_1_departureTimeSegment=P
airlineData_leg_1_arrivalTime=1837
airlineData_leg_1_arrivalTimeSegment=P

```

---

**Example 3     Capture Reply with Airline Data**


---

```

merchantReferenceCode=R98TV09EN200W
requestID=0305782650000167905080
decision=ACCEPT
reasonCode=100
purchaseTotals_currency=USD
ccCaptureReply_reasonCode=100
ccCaptureReply_amount=204.78
ccCaptureReply_reconciliationID=1094820975023470
ccCaptureReply_enhancedDataEnabled=y

```

---

**Example 4     Capture Request with Ancillary Data**


---

```

merchantID=World Wide Travel
merchantReferenceCode=R98TV09EN200W
invoiceHeader_merchantDescriptor=World Wide Travel
purchaseTotals_currency=USD
purchaseTotals_grandTotalAmount=204.78
ccCaptureService_run=true
ccCaptureService_authRequestID=0839543530000172034078
ccCaptureService_industryDatatype=airline
ancillaryData_ticketNumber=123456789123456
ancillaryData_passengerName=Jane Smith
ancillaryData_connected TicketNumber=98765432112345
ancillaryData_creditReasonIndicator=A
ancillaryData_service_0_categoryCode=MEAL
ancillaryData_service_0_subcategoryCode=SPM
ancillaryData_service_1_categoryCode=ENTM
ancillaryData_service_1_subcategoryCode=DTV

```

---

**Example 5     Capture Reply with Ancillary Data**


---

```

request_id=4250238442125000001540
decision=ACCEPT
reasonCode=100
merchantReferenceCode=R98TV09EN200W
purchaseTotals_currency=USD
ccCaptureReply_reasonCode=100
ccCaptureReply_amount=204.78
ccCaptureReply_reconciliationID=4250238432115000001540
ccCaptureReply_enhancedDataEnabled=y

```

---

## XML Examples

### Example 6 Capture Request with Airline Data

---

```

<requestMessage xmlns="urn:schemas-cybersource-com:transaction-data-1.60">
  <merchantID>World Wide Travel</merchantID>
  <merchantReferenceCode>R98TV09EN200W</merchantReferenceCode>
  <invoiceHeader>
    <merchantDescriptor>World Wide Travel</merchantDescriptor>
  </invoiceHeader>
  <purchaseTotals>
    <currency>USD</currency>
    <grandTotalAmount>204.78</grandTotalAmount>
  </purchaseTotals>
  <ccCaptureService run="true">
    <authRequestID>0839543530000172034078</authRequestID>
    <industryDatatype>airline</industryDatatype>
  </ccCaptureService>
  <airlineData>
    <agentCode>98222147</agentCode>
    <agentName>Cyber Vacations</agentName>
    <ticketNumber>02721187251</ticketNumber>
    <restrictedTicketIndicator>0</restrictedTicketIndicator>
    <passengerName>Johnny Smith</passengerName>
    <leg id="0">
      <carrierCode>AA</carrierCode>
      <originatingAirportCode>SJC</originatingAirportCode>
      <departureDate>121511</departureDate>
      <destination>SEA</destination>
      <fareBasis>HL7WNR</fareBasis>
      <couponNumber>1</couponNumber>
      <departureTime>0931</departureTime>
      <departureTimeSegment>A</departureTimeSegment>
      <arrivalTime>1131</arrivalTime>
      <arrivalTimeSegment>A</arrivalTimeSegment>
    </leg>
    <leg id="1">
      <carrierCode>AA</carrierCode>
      <originatingAirportCode>SEA</originatingAirportCode>
      <departureDate>122011</departureDate>
      <destination>SJC</destination>
      <fareBasis>HL7WNR</fareBasis>
      <couponNumber>2</couponNumber>
      <departureTime>1625</departureTime>
      <departureTimeSegment>P</departureTimeSegment>
      <arrivalTime>1837</arrivalTime>
      <arrivalTimeSegment>P</arrivalTimeSegment>
    </leg>
  </airlineData>
</requestMessage>

```

---

**Example 7 Capture Reply with Airline Data**


---

```

<c:replyMessage xmlns:c="urn:schemas-cybersource-com:transaction-data-1.60">
  <c:merchantReferenceCode>R98TV09EN200W</c:merchantReferenceCode>
  <c:requestID>0305782650000167905080</c:requestID>
  <c:decision>ACCEPT</c:decision>
  <c:reasonCode>100</c:reasonCode>
  <c:purchaseTotals>
    <c:currency>USD</c:currency>
  </c:purchaseTotals>
  <c:ccCaptureReply>
    <c:reasonCode>100</c:reasonCode>
    <c:amount>204.78</c:amount>
    <c:reconciliationID>1094820975023470</c:reconciliationID>
    <c:enhancedDataEnabled>y</c:enhancedDataEnabled>
  </c:ccCaptureReply>
</c:replyMessage>

```

---

**Example 8 Capture Request with Ancillary Data**


---

```

<requestMessage xmlns="urn:schemas-cybersource-com:transaction-data-1.60">
  <merchantID>World Wide Travel</merchantID>
  <merchantReferenceCode>R98TV09EN200W</merchantReferenceCode>
  <invoiceHeader>
    <merchantDescriptor>World Wide Travel</merchantDescriptor>
  </invoiceHeader>
  <purchaseTotals>
    <currency>USD</currency>
    <grandTotalAmount>204.78</grandTotalAmount>
  </purchaseTotals>
  <ccCaptureService run="true">
    <authRequestID>0839543530000172034078</authRequestID>
    <industryDatatype>airline</industryDatatype>
  </ccCaptureService>
  <ancillaryData>
    <ticketNumber>123456789123456</ticketNumber>
    <passengerName>Jane Smith</passengerName>
    <connectedTicketNumber>98765432112345</connectedTicketNumber>
    <creditReasonIndicator>A</creditReasonIndicator>
    <service sequenceNumber="0">
      <categoryCode>MEAL</categoryCode>
      <subCategoryCode>SPM</subCategoryCode>
    </service>
    <service sequenceNumber="1">
      <categoryCode>ENTM</categoryCode>
      <subCategoryCode>DTV</subCategoryCode>
    </service>
  </ancillaryData>
</requestMessage>

```

---

**Example 9     Capture Reply with Ancillary Data**

---

```
<c:replyMessage xmlns:c="urn:schemas-cybersource-com:transaction-data-1.60">
  <c:requestID>4250238442125000001540</c:requestID>
  <c:decision>ACCEPT</c:decision>
  <c:reasonCode>100</c:reasonCode>
  <c:merchantReferenceCode>R98TV09EN200W</c:merchantReferenceCode>
  <c:purchaseTotals>
    <c:currency>USD</c:currency>
  </c:purchaseTotals>
  <c:ccCaptureReply>
    <c:reasonCode>100</c:reasonCode>
    <c:amount>204.78</c:amount>
    <c:reconciliationID>1094820975023470</c:reconciliationID>
    <c:enhancedDataEnabled>y</c:enhancedDataEnabled>
  </c:ccCaptureReply>
</c:replyMessage>
```

---

# Airline Document Type Codes

**Table 8 Airline Document Type Codes**

<b>Code</b>	<b>Description</b>
01	Passenger ticket
02	Additional collection
03	Excess baggage
04	Miscellaneous charge order (MCO) or prepaid ticket authorization
05	Special service ticket
06	Supported refund
07	Unsupported refund
08	Lost ticket application
09	Tour order voucher
10	Ticket by mail
11	Undercharge adjustment
12	Group ticket
13	Exchange adjustment
14	SPD or air freight
15	In-flight adjustment
16	Agency passenger ticket
17	Agency tour order or voucher
18	Agency miscellaneous charge order (MCO)
19	Agency exchange order
20	Agency group ticket
21	Debit adjustment for duplicate refund or use
22	In-flight merchandise order
23	Catalogue merchandise order
24	In-flight phone charges

**Table 8 Airline Document Type Codes (Continued)**

<b>Code</b>	<b>Description</b>
25	Frequent flyer fee or purchase
26	Kennel charge
27	Animal transportation charge
28	Firearms case
29	Upgrade charge
30	Credit for unused transportation
31	Credit for class of service adjustment
32	Credit for denied boarding
33	Credit for miscellaneous refund
34	Credit for lost ticket refund
35	Credit for exchange refund
36	Credit for overcharge adjustment
37	Credit for multiple Unused tickets
38	Exchange order
39	Self-service ticket
41	In-flight duty-free purchase
42	Senior citizen discount booklets
43	Club membership fee
44	Coupon book
45	In-flight charges
46	Tour deposit
47	Frequent flyer overnight delivery charge
48	Frequent flyer fulfillment
49	Small package delivery
50	Vendor sale
51	Miscellaneous taxes or fees
52	Travel agency fee
60	Vendor refund or credit
64	Duty free sale
65	Preferred seat upgrade
66	Cabin upgrade
67	Lounge or club access or day pass
68	Agent assisted reservation or ticketing fee
69	Ticket change or cancel fee
70	Trip insurance

**Table 8 Airline Document Type Codes (Continued)**

<b>Code</b>	<b>Description</b>
71	Unaccompanied minor
72	Standby fee
73	Curbside baggage
74	In-flight medical equipment
75	Ticket or pass print fee
76	Checked sporting or special equipment
77	Dry ice fee
78	Mail or postage fee
79	Club membership fee or temporary trial
80	Frequent flyer activation or reinstatement
81	Gift certificate
82	Onboard or in-flight prepaid voucher
83	Optional services fee
84	Advance purchase for excess baggage
85	Advance purchase for preferred seat upgrade
86	Advance purchase for cabin upgrade
87	Advance purchase for optional services
88	WiFi
89	Packages
90	In-flight entertainment or internet access
91	Overweight bag fee
92	Sleep sets
93	Special purchase fee