

Airline Processing Using the Simple Order API

**Supplement to *Credit Card Services
Using the Simple Order API***

August 2019

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the power of payment

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Recent Revisions to This Document

| Release | Changes |
|----------------|--|
| August 2019 | Removed the chapter for Elavon Americas. |
| April 2019 | Added support for Getnet. See Chapter 9, "Getnet Airline Data," on page 87. CyberSource through VisaNet: added the invoiceHeader_merchantDescriptor field. See "Request Fields," page 55, and "Examples," page 67. |
| September 2018 | CyberSource through VisaNet: added the following acquirers. See Chapter 6, "CyberSource through VisaNet Airline Data," on page 52. <ul style="list-style-type: none"> ■ Banco Safra ■ BC Card Co., Ltd. ■ Vietnam Technological and Commercial Joint-stock Bank Streamline: changed the name of <i>Carte Bleue</i> to <i>Cartes Bancaires</i> . |
| August 2018 | CyberSource through VisaNet: made technical corrections and improvements to the XML examples. |
| June 2018 | Added new chapter for Elavon Americas. See Chapter 8, "Elavon Americas Airline Data," on page 78. |
| January 2018 | OmniPay Direct: added support for new acquirer Cardnet International. See Chapter 11, "OmniPay Direct Airline Data," on page 96. |

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

Related Documentation

- *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 Using the Simple Order API* ([PDF](#) | [HTML](#)) describes how to integrate CyberSource payment processing services into your business.

Refer to the Support Center for complete CyberSource technical documentation:

http://www.cybersource.com/support_center/support_documentation

Customer Support

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 Using the Simple Order API](#) describes airline data processing with CyberSource. After this introductory chapter, there is a chapter for each processor that supports airline data processing.



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.

Supported Processors and Card Types

Table 2 Supported Processors and Card Types

| Processor | Card Types Supported in Authorizations | Card Types Supported in Captures and Credits |
|---------------------------------------|--|--|
| American Express Brighton | None | American Express |
| American Express Direct | American Express | American Express |
| Asia, Middle East, and Africa Gateway | Visa Mastercard American Express Diners Club JCB | Visa Mastercard American Express Diners Club JCB |

Table 2 Supported Processors and Card Types (Continued)

| Processor | Card Types Supported in Authorizations | Card Types Supported in Captures and Credits |
|-----------------------------|---|---|
| Barclays | None | Visa Mastercard Maestro (UK Domestic) Maestro (International) |
| CyberSource through VisaNet | None | Visa Mastercard American Express Discover |
| Elavon | None | Visa Mastercard Diners Club Discover |
| FDC Nashville Global | None | Visa Mastercard |
| Getnet | Visa Mastercard American Express | None |
| Lloyds-OmniPay | None | Visa Mastercard |
| OmniPay Direct | None | Visa Mastercard Discover Diners Club Maestro (UK Domestic) Maestro (International) Note Each acquirer supports a subset of the preceding card types. |
| Streamline | None | Visa Mastercard Maestro (UK Domestic) Maestro (International) Cartes Bancaires Dankort |
| TSYS Acquiring Solutions | American Express | Visa American Express |
| UATP | None | UATP |

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 authorizations, the reply field is **ccAuthReply_enhancedDataEnabled**.
- 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 3 Special Characters in Names

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

Numbered Elements

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 the Simple Object Access Protocol (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><item id="0"> <unitPrice> <quantity> </item></pre> | <pre>item_0_unitPrice item_0_quantity</pre> |
| <pre><item id="1"> <unitPrice> <quantity> </item></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 Authorizations with Airline Data



To send airline data, you must set the industry data type field 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.

To include airline data in an authorization:

Step 1 Request a credit card authorization.

Include the following information in the authorization 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 12.
- Industry data type field: the field name is `ccAuthService_industryDatatype`. Set this field to `airline` to indicate that the request includes airline data.
- Basic fields required for every authorization request.

For more information, see [Credit Card Services Using the Simple Order API](#).

Step 2 Check the authorization reply message.

The reply message includes a field that indicates whether CyberSource sent the airline information to the processor. The field name is `ccAuthReply_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 3 Request a credit card capture.

Capture the authorization using the basic fields required for every capture request. For more information, see [Credit Card Services Using the Simple Order API](#).

Requesting Captures and Credits with Airline Data



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. The only exception is UATP: you do not need to send the industry data type for UATP.

To include airline data in a capture or credit:

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 12.
- Industry data type field: the field name is `ccCaptureService_industryDatatype`. Set this field to `airline` to indicate that the request includes airline data.



Note

You do not need to include the industry data type field for UATP.

- Basic fields required for every capture request.
For more information, see [Credit Card Services Using the Simple Order API](#).
- On CyberSource through VisaNet you can optionally include fields for card-present transactions.
For more information, see [Card-Present Processing 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 12.
- Industry data type field: the field name is **ccCreditService_industryDatatype**. Set this field to `airline` to indicate that the request includes airline data.



Note

You do not need to include the industry data type field for UATP.

-
- Basic fields required for every credit request.

For more information, see [Credit Card Services 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.

American Express Brighton Airline Data

Airline Data Processing

The following table describes various features for airline data processing with American Express Brighton.

Table 4 Airline Data Processing Features for American Express Brighton

| Feature | Description |
|--|---|
| Supported Card Type | American Express in capture and credit requests |
| Travel Legs | Maximum number of travel legs: 4 Numbering for the travel legs: 0 to 3 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. |
| Specification used by CyberSource to implement airline data processing | <i>American Express Guide to Submissions in Amex Standard Format</i> , version 1.5 |

If You Do Not Issue Ticket Numbers

American Express Brighton expects you to provide a 14-digit ticket number. CyberSource requires you to provide a value in the ticket number field. If you issue booking reference numbers instead of ticket numbers, you must:

- Set **airlineData_ticketNumber** to a value that looks like a valid ticket number.
- Set **airlineData_bookingReference** to the booking reference number.

The following table describes how to create a valid ticket number.

Table 5 Steps for Creating a Valid Ticket Number

| | |
|--|---|
| If a valid 3-digit IATA ¹ plate carrier code is available: | <p>Create a value that is numeric and consists of 14 digits as follows:</p> <ul style="list-style-type: none"> ■ The value cannot equal zero. ■ The first 3 digits must be a valid IATA¹ plate carrier code. ■ Use a check digit for the final digit. If you do not use check digits, use a zero for the final digit. ■ If possible, validate the check digit before submitting the request. |
| If no valid 3-digit IATA ¹ plate carrier code is available: | <ul style="list-style-type: none"> ■ Use zeros for the first 3 digits. ■ Follow the first three zeros with a 10-digit, unique, sequential number. If the unique number you generate is less than 10 digits, use leading zeros to make it 10 digits. ■ Use a check digit for the final digit. If you do not use check digits, use a zero for the final digit. |
| For credits: | Use the ticket number of the original ticket and not a replacement ticket. |
| <p>¹ IATA=International Air Transport Association</p> | |

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 Using the Simple Order API](#).

Table 6 General Request Fields

| CyberSource Field Name | American Express Brighton Field Name | Description | Required / Optional | Data Type & Length |
|------------------------------|---|--|---|------------------------------|
| airlineData_bookingReference | No specific field name for the position in the record | Reference number for the airline booking. | Required if you do not issue ticket numbers. See "If You Do Not Issue Ticket Numbers," page 18. | String (15) |
| airlineData_carrierName | Airline Name | Name of the airline. If you do not include this field, CyberSource uses the value for your merchant name that is in the CyberSource merchant configuration database. | Optional | String (20) |
| airlineData_chargeDetails | Charge Details | Description of the charge if the charge does not involve an airline ticket. For example: <code>Excess baggage</code> . | Required if airlineData_transactionType=2 | String (20) |
| airlineData_customerCode | Ticket Issuer Address | Address of the ticket issuer. The first 13 characters will appear on the cardholder's statement. | Required | String (40) |
| airlineData_invoiceNumber | Airline Invoice Number | Invoice number for the airline transaction. | Required | String with numbers only (6) |
| airlineData_passengerName | Passenger Name | Name of the passenger to whom the ticket was issued. Do not include special characters such as commas, hyphens, or apostrophes. Only ASCII characters are supported. | Required | String (26) |

Table 6 General Request Fields (Continued)

| CyberSource Field Name | American Express Brighton Field Name | Description | Required / Optional | Data Type & Length |
|-----------------------------------|--------------------------------------|--|-----------------------|-------------------------------|
| airlineData_ticketIssuerName | Ticket Issuer | Name of the ticket issuer. If you do not include this field, CyberSource uses the value for your merchant name that is in the CyberSource merchant configuration database. | Optional | String (20) |
| airlineData_ticketNumber | Ticket Number | Airline ticket number. If you issue booking reference numbers instead of ticket numbers, see "If You Do Not Issue Ticket Numbers," page 18. | Required | String with numbers only (14) |
| airlineData_transactionType | Airline Charge Type | Type of charge. Possible values: <ul style="list-style-type: none"> ■ 01: Charge is for an airline ticket ■ 02: Charge is for an item that is not an airline ticket | Required | String with numbers only (2) |
| 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. Important 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. | 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. Important 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. | Required for credits | String (7) |

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.

Table 7 Request Fields for Travel Legs

| CyberSource Field Name | American Express Brighton Field Name | Description | Required / Optional | Data Type & Length |
|--|---|---|--|-------------------------------|
| airlineData_leg_#_carrierCode | Carrier Code | IATA ¹ code for the carrier for this leg of the trip. | Required for the first leg; optional for additional legs | String (2) |
| airlineData_leg_#_class | Airline Class | IATA ¹ code for the class of service for this leg of the trip, such as coach or first class. | Required for the first leg; optional for additional legs | String (2) |
| airlineData_leg_#_destination | Arrival Airport | IATA ¹ code for the destination airport for this leg of the trip. | Required for the first leg; optional for additional legs | String (3) |
| airlineData_leg_#_originatingAirportCode | Departure Airport | IATA ¹ code for the originating airport for this leg of the trip. | Required for the first leg; optional for additional legs | String (3) |
| 1 IATA=International Air Transport Association | | | | |

Examples

Name-Value Pair Examples

Example 2 Capture Request

```

ccCaptureService_run=true
merchantID=okgo
merchantReferenceCode=R98TV09EN200W
ccCaptureService_industryDatatype=airline
ccCaptureService_authRequestID=0839543530000172034078
purchaseTotals_currency=USD
purchaseTotals_grandTotalAmount=204.78
airlineData_customerCode=New York NY
airlineData_invoiceNumber=906372
airlineData_passengerName=Jane Smith
airlineData_ticketIssuerName=Cyber Vacations
airlineData_ticketNumber=02721187251
airlineData_transactionType=01
airlineData_leg_0_carrierCode=AA
airlineData_leg_0_class=H
airlineData_leg_0_originatingAirportCode=SJC
airlineData_leg_0_destination=SEA
airlineData_leg_1_originatingAirportCode=SEA
airlineData_leg_1_destination=SJC

```

Example 3 Capture Reply

```

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

```

XML Examples

Example 4 Capture Request

```
<requestMessage xmlns="urn:schemas-cybersource-com:transaction-data-1.23">
  <merchantID>okgo</merchantID>
  <merchantReferenceCode>R98TV09EN200W</merchantReferenceCode>
  <ccCaptureService run="true">
    <industryDatatype>airline</industryDatatype>
    <authRequestID>0839543530000172034078</authRequestID>
  </ccCaptureService>
  <purchaseTotals>
    <currency>USD</currency>
    <grandTotalAmount>204.78</grandTotalAmount>
  </purchaseTotals>
  <airlineData>
    <customerCode>New York NY</customerCode>
    <invoiceNumber>906372</invoiceNumber>
    <passengerName>Jane Smith</passengerName>
    <ticketIssuerName>Cyber Vacations</ticketIssuerName>
    <ticketNumber>02721187251</ticketNumber>
    <transactionType>01</transactionType>
    <leg id="0">
      <carrierCode>AA</carrierCode>
      <class>H</class>
      <originatingAirportCode>SJC</originatingAirportCode>
      <destination>SEA</destination>
    </leg>
    <leg id="1">
      <originatingAirportCode>SEA</originatingAirportCode>
      <destination>SJC</destination>
    </leg>
  </airlineData>
</requestMessage>
```

Example 5 Capture Reply

```
<c:replyMessage xmlns:c="urn:schemas-cybersource-com:transaction-data-1.23">
  <c:requestID>0305782650000167905080</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>
```

American Express Direct Airline Data



Important

Airline data must be included in both the authorization request and the capture request.

Airline Data Processing

The following table describes various features for airline data processing with American Express Direct.

Table 8 Airline Data Processing Features for American Express Direct

| Feature | Description |
|--|---|
| Supported Card Type | American Express |
| Travel Legs | <p>Maximum number of travel legs: 4 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> |
| Specification used by CyberSource to implement airline data processing | <p>For authorizations: <i>American Express Global Credit Authorization Guide</i>, ISO 8583:1993 (version 1) dated April 2011</p> <p>For captures and credits: <i>American Express Global Financial Settlement Guide</i> dated April 2011</p> |

Request Fields for Authorization Requests

The tables in this section describe the airline request fields to use with an authorization request.



Important

When you send an authorization request with airline data, you must include the basic fields required for every authorization request. For information about the non-airline-data fields required for authorization requests, see [Credit Card Services Using the Simple Order API](#).

Table 9 General Request Fields for Authorization Requests

| CyberSource Field Name | American Express Direct Field Name | Description | Required / Optional | Data Type & Length |
|------------------------------------|--|--|---------------------------------|--------------------|
| airlineData_ numberOfPassengers | Additional Data - National - APD (Number of Passengers) | Number of passengers for whom the ticket was issued. If you do not include this field in your request, CyberSource uses a default value of 1. | Optional | Integer (3) |
| airlineData_ passengerName | Additional Data - National - APD (Passenger Name) | Name of the passenger to whom the ticket was issued. Do not include special characters such as commas, hyphens, or apostrophes. Only ASCII characters are supported. Format: LASTNAME~FIRST~INIT~TITLE where "~" is a space Example FROST~JANE~M~MRS | Required | String (23) |
| ccAuthService_ 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. Important 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. | Required for authorizations. | String (7) |

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.

Table 10 Travel Leg Request Fields for Authorization Requests

| CyberSource Field Name | American Express Direct Field Name | Description | Required / Optional | Data Type & Length |
|--|---|---|----------------------------|-------------------------------|
| airlineData_leg_#_carrierCode | Airline Data - National - APD (Airline Carriers) | IATA ¹ code for the carrier for this leg of the trip. | Required for each leg. | String (2) |
| airlineData_leg_#_departureDate | Additional Data - National - APD (Departure Date) | Departure date for the first leg of the trip. Format: YYYYMMDD. | Required | Integer (8) |
| airlineData_leg_#_destination | Additional Data - National - APD (Destination Airport) and (Routing Cities) | IATA ¹ code for the destination airport for this leg of the trip. | Required for each leg. | String (5) |
| airlineData_leg_#_fareBasis | Additional Data - National - APD (Fare Basis) | Code for the fare basis for the first 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. | Required | String (24) |
| airlineData_leg_#_originatingAirportCode | Additional Data - National - APD (Origin Airport) | IATA ¹ code for the originating airport for the first leg of the trip. | Required | String (5) |

1 IATA=International Air Transport Association

Request Fields for Capture and Credit Requests

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 Using the Simple Order API](#).



Note

If you are using the Simple Order API in XML format, you must use version 1.63 or later of the XML schema to implement airline data in capture and credit requests for American Express Direct.



Note

When you include airline data in a capture or credit request, you have the option of using the reconciliation ID to provide an airline booking number for the transaction. The fields you can use are **ccCaptureService_reconciliationID** and **ccCreditService_reconciliationID**. For information about including a reconciliation ID in a request, contact CyberSource Customer Support.



Note

The **airlineData_iataNumericCode** field was renamed to **airlineData_agentCode**. For a new implementation you must use the new field name. If you already implemented airline data processing with the old field name, CyberSource continues to support the field name for a limited period of time and recommends that you update your code to support the new field name at your earliest convenience.

Table 11 General Request Fields for Capture and Credit Requests

| Simple Order API Field | American Express Direct Field Name | Description | Required / Optional | Data Type & Length |
|------------------------|------------------------------------|---|---|--------------------|
| airlineData_agentCode | IATA ¹ Numeric Code | IATA ¹ numeric code for the airline. | Required if you are an IATA ¹ member and have been issued this code. | String (8) |

¹ IATA=International Air Transport Association

Table 11 General Request Fields for Capture and Credit Requests (Continued)

| Simple Order API Field | American Express Direct Field Name | Description | Required / Optional | Data Type & Length |
|----------------------------------|------------------------------------|--|--|--------------------|
| airlineData_carrierName | Ticketing Carrier Name | Airline carrier that generated the ticket. | Required | String (25) |
| airlineData_documentType | Document Type | Airline document type code that specifies the purpose of the transaction. For the possible values, see Appendix A, "Airline Document Type Codes," on page 136. | Required | String (2) |
| airlineData_electronicTicket | Electronic Ticket Indicator | Flag that indicates whether an electronic ticket was issued. Possible values: <ul style="list-style-type: none"> ■ Y: Yes ■ N: No | Required for ticket purchases and ticket exchanges; otherwise, optional. | String (1) |
| airlineData_numberOfPassengers | Number In Party | Number of passengers for whom the ticket was issued. If you do not include this field in your request, CyberSource uses the default value of 1. | Required for ticket purchases and ticket exchanges; otherwise, optional. | Integer (3) |
| airlineData_originalTicketNumber | Exchanged / Original Ticket Number | Original ticket number when the transaction is for a replacement ticket. | Optional | String (14) |
| airlineData_passengerName | Passenger Name | Name of the passenger to whom the ticket was issued. Do not include special characters such as commas, hyphens, or apostrophes. Only ASCII characters are supported. | Required for ticket purchases and ticket exchanges; otherwise, optional. | String (25) |
| airlineData_processIdentifier | Airline Process Identifier | Airline process identifier. This value is the airline's three-digit IATA ¹ code which is used to process extended payment airline tickets. | Required | String (3) |
| airlineData_purchaseType | Transaction Type | Type of purchase. Possible values: <ul style="list-style-type: none"> ■ EXC: Exchange ticket ■ MSC: Miscellaneous (not a ticket purchase and not a transaction related to an exchange ticket) | Optional | String (3) |
| airlineData_ticketIssueDate | Ticket Issue Date | Date on which the transaction occurred. Format: YYYYMMDD | Required | Integer (8) |

¹ IATA=International Air Transport Association

Table 11 General Request Fields for Capture and Credit Requests (Continued)

| Simple Order API Field | American Express Direct Field Name | Description | Required / Optional | Data Type & Length |
|--|------------------------------------|--|--|--------------------|
| airlineData_ticketIssuerCity | Ticket Issue City | City in which the transaction occurred. If the name of the city exceeds 18 characters, use meaningful abbreviations. | Required | String (18) |
| airlineData_ticketNumber | Ticket Number | <p>Ticket number or a value that American Express Direct refers to as a “document number printed on the source document,” which might be a booking reference number.</p> <p>If you need to submit a ticket number and a booking reference number, put the ticket number in this airlineData_ticketNumber field and put the booking reference number in the reconciliation ID field:</p> <ul style="list-style-type: none"> ■ ccCaptureService_reconciliationID for a capture request ■ ccCreditService_reconciliationID for a credit request <p>For information about including a reconciliation ID in a request, contact CyberSource Customer Support.</p> | Required for ticket purchases and ticket exchanges; otherwise, optional. | String (14) |
| ccCaptureService_industryDatatype | No corresponding processor field | <p>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.</p> <p>Important 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.</p> | <p>Captures: Required</p> <p>Credits: Not used</p> | String (7) |
| ccCreditService_industryDatatype | No corresponding processor field | <p>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.</p> <p>Important 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.</p> | <p>Captures: Not used</p> <p>Credits: Required</p> | String (7) |
| 1 IATA=International Air Transport Association | | | | |

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.

Table 12 Travel Leg Request Fields for Capture and Credit Requests

| Simple Order API Field | American Express Direct Field Name | Description | Required / Optional | Data Type & Length |
|---------------------------------|------------------------------------|---|--|--------------------|
| airlineData_leg_#_carrierCode | Segment Carrier Code | IATA ¹ code for the carrier for this leg of the trip. | Required for ticket purchases and ticket exchanges; otherwise, optional. | String (2) |
| airlineData_leg_#_class | Class of Service Code | IATA ¹ code for the class of service for this leg of the trip. The service class is assigned by the carriers and provides additional information about the ticket type, such as premium or discounted. | Required for ticket purchases and ticket exchanges; otherwise, optional. | String (1) |
| airlineData_leg_#_departureDate | Departure Date | Departure date for this leg of the trip. Format: YYYYMMDD | Required for ticket purchases and ticket exchanges; otherwise, optional. | Integer (8) |
| airlineData_leg_#_destination | Arrival Location Code | IATA ¹ code for the destination airport for this leg of the trip. | Required for ticket purchases and ticket exchanges; otherwise, optional. | String (3) |
| airlineData_leg_#_fare | Fare | Total fare for this leg of the trip. For USD, the maximum fare is 99,999.99. For all other currencies, the maximum fare is the equivalent of 99,999.99 USD. | Required | String (12) |
| airlineData_leg_#_fareBasis | Fare Basis | IATA ¹ 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 first class, business, or economy. | Required for ticket purchases and ticket exchanges; otherwise, optional. | String (5) |

¹ IATA=International Air Transport Association

Table 12 Travel Leg Request Fields for Capture and Credit Requests (Continued)

| Simple Order API Field | American Express Direct Field Name | Description | Required / Optional | Data Type & Length |
|--|------------------------------------|--|--|--------------------|
| airlineData_leg_#_flightNumber | Flight Number | Flight number for this leg of the trip. | Required for ticket purchases and ticket exchanges; otherwise, optional. | String (4) |
| airlineData_leg_#_originatingAirportCode | Departure Location Code | IATA ¹ code for the originating airport for this leg of the trip. | Required for ticket purchases and ticket exchanges; otherwise, optional. | String (3) |
| airlineData_leg_#_stopoverCode | Stopover Indicator | Code that indicates whether a stopover is allowed on this leg of the trip. Possible values: <ul style="list-style-type: none"> ■ O (capital letter "O"): Stopover allowed ■ X (capital letter "X"): Stopover not allowed | Optional | String (1) |

1 IATA=International Air Transport Association

Examples

Name-Value Pair Examples

Example 6 Authorization Request

```

merchantID=okgo
merchantReferenceCode=R98TV09EN200W
billTo_firstName=Jane
billTo_lastName=Smith
billTo_street1=1295 Charleston Rd.
billTo_city=Mountain View
billTo_state=CA
billTo_postalCode=94043
billTo_country=US
billTo_phoneNumber=650-965-6000
billTo_email=jsmith@example.com
purchaseTotals_currency=USD
purchaseTotals_grandTotalAmount=204.78
card_accountNumber=4111111111111111
card_expirationMonth=09
card_expirationYear=2013
card_cardType=Visa
ccAuthService_run=true
ccAuthService_industryDatatype=airline
airlineData_passengerName=Jane Smith
airlineData_leg_0_carrierCode=AA
airlineData_leg_0_originatingAirportCode=SJC
airlineData_leg_0_departureDate=20110930
airlineData_leg_0_destination=SEA
airlineData_leg_0_fareBasis=HL7WNR
airlineData_leg_1_carrierCode=AA
airlineData_leg_1_destination=SJC
airlineData_numberOfPassengers=1

```

Example 7 Authorization Reply

```

merchantReferenceCode=R98TV09EN200W
requestID=0305782650000167905080
decision=ACCEPT
reasonCode=100
purchaseTotals_currency=USD
ccAuthReply_reasonCode=100
ccAuthReply_amount=204.78
ccAuthReply_authorizationCode=123456
ccAuthReply_avsCode=Y
ccAuthReply_processorResponse=A

```

Example 8 Capture Request

```

merchantID=okgo
merchantReferenceCode=R98TV09EN200W
purchaseTotals_currency=USD
purchaseTotals_grandTotalAmount=204.78
ccCaptureService_run=true
ccCaptureService_authRequestID=0305782650000167905080
ccCaptureService_industryDatatype=airline
airlineData_ticketIssuerCity=Mountain View
airlineData_ticketIssueDate=20110825
airlineData_ticketNumber=02721187251
airlineData_carrierName=CyberSource Airways
airlineData_passengerName=Jane Smith
airlineData_documentType=01
airlineData_processIdentifier=CYB
airlineData_leg_0_carrierCode=AA
airlineData_leg_0_flightNumber=1234
airlineData_leg_0_originatingAirportCode=SJC
airlineData_leg_0_class=H
airlineData_leg_0_departureDate=20110930
airlineData_leg_0_destination=SEA
airlineData_leg_0_fareBasis=HL7WNR
airlineData_leg_0_fare=101.00
airlineData_leg_1_carrierCode=AA
airlineData_leg_1_flightNumber=4321
airlineData_leg_1_originatingAirportCode=SEA
airlineData_leg_1_class=H
airlineData_leg_1_departureDate=20111012
airlineData_leg_1_destination=SJC
airlineData_leg_1_fareBasis=HL7WNR
airlineData_leg_1_fare=103.78

```

Example 9 Capture Reply

```

merchantReferenceCode=R98TV09EN200W
requestID=0305782650000178916199
decision=ACCEPT
reasonCode=100
purchaseTotals_currency=USD
ccCaptureReply_reasonCode=100
ccCaptureReply_amount=204.78
ccCaptureReply_reconciliationID=1094820975023470
ccCaptureReply_enhancedDataEnabled=y

```

XML Examples

Example 10 Authorization Request

```

<requestMessage xmlns="urn:schemas-cybersource-com:transaction-data-1.28">
  <merchantID>okgo</merchantID>
  <merchantReferenceCode>R98TV09EN200W</merchantReferenceCode>
  <billTo>
    <firstName>Jane</firstName>
    <lastName>Smith</lastName>
    <street1>1295 Charleston Rd.</street1>
    <city>Mountain View</city>
    <state>CA</state>
    <postalCode>94043</postalCode>
    <country>US</country>
    <phoneNumber>650-965-6000</phoneNumber>
    <email>jsmith@example.com</email>
  </billTo>
  <purchaseTotals>
    <currency>USD</currency>
    <grandTotalAmount>204.78</grandTotalAmount>
  </purchaseTotals>
  <card>
    <accountNumber>4111111111111111</accountNumber>
    <expirationMonth>09</expirationMonth>
    <expirationYear>2013</expirationYear>
    <cardType>Visa</cardType>
  </card>
  <ccAuthService run="true">
    <industryDatatype>airline</industryDatatype>
  </ccAuthService>
  <airlineData>
    <passengerName>Jane Smith</passengerName>
    <leg id="0">
      <carrierCode>AA</carrierCode>
      <originatingAirportCode>SJC</originatingAirportCode>
      <departureDate>20110930</departureDate>
      <destination>SEA</destination>
      <fareBasis>HL7WNR</fareBasis>
    </leg>
    <leg id="1">
      <carrierCode>AA</carrierCode>
      <destination>SJC</destination>
    </leg>
    <numberOfPassengers>1</numberOfPassengers>
  </airlineData>
</requestMessage>

```

Example 11 Authorization Reply

```
<c:replyMessage xmlns:c="urn:schemas-cybersource-com:transaction-data-1.28">
  <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:ccAuthReply>
    <c:reasonCode>100</c:reasonCode>
    <c:amount>204.78</c:amount>
    <c:authorizationCode>123456</c:authorizationCode>
    <c:avsCode>Y</c:avsCode>
    <c:processorResponse>A</c:processorResponse>
  </c:ccAuthReply>
</c:replyMessage>
```

Example 12 Capture Request

```

<requestMessage xmlns="urn:schemas-cybersource-com:transaction-data-1.63">
  <merchantID>okgo</merchantID>
  <merchantReferenceCode>R98TV09EN200W</merchantReferenceCode>
  <purchaseTotals>
    <currency>USD</currency>
    <grandTotalAmount>204.78</grandTotalAmount>
  </purchaseTotals>
  <ccCaptureService run="true">
    <authRequestID>0305782650000167905080</authRequestID>
    <industryDatatype>airline</industryDatatype>
  </ccCaptureService>
  <airlineData>
    <ticketIssuerCity>Mountain View</ticketIssuerCity>
    <ticketIssueDate>20110825</ticketIssueDate>
    <ticketNumber>02721187251</ticketNumber>
    <carrierName>CyberSource Airways</carrierName>
    <passengerName>Jane Smith</passengerName>
    <documentType>01</documentType>
    <processIdentifier>CYB</processIdentifier>
    <leg id="0">
      <carrierCode>AA</carrierCode>
      <flightNumber>1234</flightNumber>
      <originatingAirportCode>SJC</originatingAirportCode>
      <class>H</class>
      <departureDate>20110930</departureDate>
      <destination>SEA</destination>
      <fareBasis>HL7WNR</fareBasis>
      <fare>101.00</fare>
    </leg>
    <leg id="1">
      <carrierCode>AA</carrierCode>
      <flightNumber>4321</flightNumber>
      <originatingAirportCode>SEA</originatingAirportCode>
      <class>H</class>
      <departureDate>20111012</departureDate>
      <destination>SJC</destination>
      <fareBasis>HL7WNR</fareBasis>
      <fare>103.78</fare>
    </leg>
  </airlineData>
</requestMessage>

```

Example 13 Capture Reply

```
<c:replyMessage xmlns:c="urn:schemas-cybersource-com:transaction-data-1.63">
  <c:merchantReferenceCode>R98TV09EN200W</c:merchantReferenceCode>
  <c:requestID>0305782650000178916199</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>
```

Asia, Middle East, and Africa Gateway Airline Data

Airline Data Processing

The following table describes various features for airline data processing with the Asia, Middle East, and Africa Gateway.

Table 13 Airline Data Processing Features for the Asia, Middle East, and Africa Gateway

| Feature | Description |
|--|--|
| Supported Card Types | Visa Mastercard American Express Diners Club JCB |
| Travel Legs | No travel leg data is included for the Asia, Middle East, and Africa Gateway. |
| Specification used by CyberSource to implement airline data processing | <i>Virtual Payment Client Reference Guide</i> , December 2007, version 3.1.9.0 |

Request Fields

The following table describes the airline request fields to use with an authorization, capture, or credit request.



Important

When you send a request with airline data, you must include the basic fields required for every authorization, capture, or credit request. For information about the non-airline-data fields required for these requests, see [Credit Card Services Using the Simple Order API](#).

Table 14 General Request Fields

| CyberSource Field Name | Description | Required / Optional | Data Type & Length |
|-----------------------------------|--|-----------------------------|--------------------|
| airlineData_ticketNumber | Ticket number. | Required | String (15) |
| ccAuthService_industryDatatype | 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. Important 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. | Required for authorizations | String (7) |
| ccCaptureService_industryDatatype | 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. Important 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. | Required for captures | String (7) |
| ccCreditService_industryDatatype | 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. Important 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. | Required for credits | String (7) |

Examples

Name-Value Pair Examples

Example 14 Authorization Request

```

shipTo_street1=123 Main Street
shipTo_city=Small Town
shipTo_state=CA
shipTo_country=US
shipTo_postalCode=98765
billTo_firstName=Jane
billTo_lastName=Smith
billTo_street1=123 Main Street
billTo_city=Small Town
billTo_state=CA
billTo_country=US
billTo_postalCode=98765
billTo_email=jsmith@example.com
merchantID=okgo
merchantReferenceCode=0123456789
purchaseTotals_currency=USD
card_accountNumber=4111111111111111
card_expirationMonth=12
card_expirationYear=2020
ccAuthService_run=true
ccAuthService_industryDatatype=airline
airlineData_ticketNumber=02721187251
item_0_unitPrice=112.34

```

Example 15 Authorization Reply

```

ccAuthReply_avsCode=2
ccAuthReply_amount=112.34
ccAuthReply_reasonCode=100
ccAuthReply_reconciliationID=19119123440
ccAuthReply_processorResponse=0
ccAuthReply_authorizationCode=ABC12345
ccAuthReply_enhancedDataEnabled=Y
requestID=1921371701234567904567
reasonCode=100
decision=ACCEPT
merchantReferenceCode=0123456789
purchaseTotals_currency=USD

```

Example 16 Capture Request

```
ccCaptureService_run=true  
merchantID=okgo  
merchantReferenceCode=R98TV09EN200W  
ccCaptureService_industryDatatype=airline  
ccCaptureService_authRequestID=0839543530000172034078  
purchaseTotals_currency=USD  
purchaseTotals_grandTotalAmount=204.78  
airlineData_ticketNumber=02721187251
```

Example 17 Capture Reply

```
requestID=0305782650000167905080  
decision=ACCEPT  
reasonCode=100  
merchantReferenceCode=0123456789  
purchaseTotals_currency=USD  
ccCaptureReply_reasonCode=100  
ccCaptureReply_amount=204.78  
ccCaptureReply_reconciliationID=1094820975023470  
ccCaptureReply_enhancedDataEnabled=y
```

XML Examples

Example 18 Authorization Request

```

<requestMessage xmlns="urn:schemas-cybersource-com:transaction-data-1.32">
  <shipTo>
    <street1>123 Main Street</street1>
    <city>Small Town</city>
    <state>CA</state>
    <postalCode>98765</postalCode>
    <country>US</country>
  </shipTo>
  <billTo>
    <firstName>Jane</firstName>
    <lastName>Smith</lastName>
    <street1>123 Main Street</street1>
    <city>Small Town</city>
    <state>CA</state>
    <postalCode>98765</postalCode>
    <country>US</country>
    <email>jsmith@example.com</email>
  </billTo>
  <merchantID>okgo</merchantID>
  <merchantReferenceCode>0123456789</merchantReferenceCode>
  <purchaseTotals><currency>USD</currency></purchaseTotals>
  <card>
    <accountNumber>4111111111111111</accountNumber>
    <expirationMonth>12</expirationMonth>
    <expirationYear>2020</expirationYear>
  </card>
  <ccAuthService run="true">
    <industryDatatype>airline</industryDatatype>
  </ccAuthService>
  <airlineData>
    <ticketNumber>02721187251</ticketNumber>
  </airlineData>
  <item id="0"><unitPrice>112.34</unitPrice></item>
</requestMessage>

```

Example 19 Authorization Reply

```

<c:replyMessage xmlns:c="urn:schemas-cybersource-com:transaction-data-1.32">
  <c:ccAuthReply>
    <c:avsCode>2</c:avsCode>
    <c:amount>112.34</c:amount>
    <c:reasonCode>100</c:reasonCode>
    <c:reconciliationID>19119123438</c:reconciliationID>
    <c:processorResponse>0</c:processorResponse>
    <c:authorizationCode>ABC12345</c:authorizationCode>
    <c:enhancedDataEnabled>Y</c:enhancedDataEnabled>
  </c:ccAuthReply>
  <c:requestID>1921312345620167904567</c:requestID>
  <c:reasonCode>100</c:reasonCode>
  <c:decision>ACCEPT</c:decision>
  <c:merchantReferenceCode>0123456789</c:merchantReferenceCode>
  <c:purchaseTotals>
    <c:currency>USD</c:currency>
  </c:purchaseTotals>
</c:replyMessage>

```

Example 20 Capture Request

```

<requestMessage xmlns="urn:schemas-cybersource-com:transaction-data-1.32">
  <merchantID>okgo</merchantID>
  <merchantReferenceCode>R98TV09EN200W</merchantReferenceCode>
  <ccCaptureService run="true">
    <industryDatatype>airline</industryDatatype>
    <authRequestID>0839543530000172034078</authRequestID>
  </ccCaptureService>
  <purchaseTotals>
    <currency>USD</currency>
    <grandTotalAmount>204.78</grandTotalAmount>
  </purchaseTotals>
  <airlineData>
    <ticketNumber>02721187251</ticketNumber>
  </airlineData>
</requestMessage>

```

Example 21 Capture Reply

```
<c:replyMessage xmlns:c="urn:schemas-cybersource-com:transaction-data-1.32">
  <c:requestID>0305782650000167905080</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>
```

Barclays Airline Data



Important

You cannot process a cash advance and airline data in the same transaction.

Airline Data Processing

The following table describes various features for airline data processing with Barclays.

Table 15 Airline Data Processing Features for Barclays

| Feature | Description |
|--|---|
| Supported Card Types | Visa Mastercard Maestro (UK Domestic) Maestro (International) |
| Travel Legs | Maximum number of travel legs: 99 Numbering for the travel legs: 0 to 98 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. |
| Specification used by CyberSource to implement airline data processing | APACS 29, version 18 |

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 Using the Simple Order API](#).

Table 16 General Request Fields

| CyberSource Field Name | Barclays Field Name | Description | Required / Optional | Data Type & Length |
|---------------------------------------|------------------------------|---|---------------------|--------------------|
| airlineData_agentCode | Travel Agency Code | IATA ¹ code for the travel agency. For Mastercard, this value cannot be all zeros. | Optional | String (8) |
| airlineData_agentName | Travel Agency Name | Name of the travel agency that is issuing the ticket. For Mastercard, this value cannot be all zeros. | Required | String (25) |
| airlineData_customerCode | Customer Code | Code provided by the cardholder. | Optional | String (12) |
| airlineData_invoiceNumber | Travel Agency Invoice Number | Number of the invoice the travel agency sends. | Optional | String (6) |
| airlineData_passengerName | Passenger Name | Name of the passenger to whom the ticket was issued. Do not include special characters such as commas, hyphens, or apostrophes. Only ASCII characters are supported. | Required | String (26) |
| airlineData_restrictedTicketIndicator | Restricted Ticket Indicator | Flag that indicates whether or not the ticket is restricted (nonrefundable). Possible values: <ul style="list-style-type: none"> ■ 0: No restriction (refundable) ■ 1: Restricted (nonrefundable) | Required for Visa | Integer (1) |
| airlineData_ticketIssuerAddress | Ticket Issuer Address | Address of the company issuing the ticket. | Required | String (16) |
| airlineData_ticketNumber | Ticket Number | Primary ticket number. | Required | String (14) |

¹ IATA=International Air Transport Association

Table 16 General Request Fields (Continued)

| CyberSource Field Name | Barclays Field Name | Description | Required / Optional | Data Type & Length |
|------------------------------------|----------------------------------|--|-----------------------|--------------------|
| 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. Important 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. | 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. Important 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. | Required for credits | String (7) |

1 IATA=International Air Transport Association

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.

Table 17 Request Fields for Travel Legs

| CyberSource Field Name | Barclays Field Name | Description | Required / Optional | Data Type & Length |
|--------------------------------|--|--|---|--------------------|
| airlineData_leg_#_ carrierCode | Carrier Code and Issuing Carrier | Carrier Code: IATA ¹ code for the carrier for this leg of the trip. Issuing Carrier: IATA ¹ code for the carrier that issued the entire ticket. There is only one issuing carrier for the ticket, not one for each leg. Only the value for leg 0 is used. | Optional | String (2) |
| airlineData_leg_#_class | Service Class | IATA ¹ code for the class of service for this leg of the trip. | Required for reduced interchange; otherwise, optional | String (1) |

1 IATA=International Air Transport Association

Table 17 Request Fields for Travel Legs (Continued)

| CyberSource Field Name | Barclays Field Name | Description | Required / Optional | Data Type & Length |
|--|--------------------------------------|--|--|---------------------|
| airlineData_leg_#_conjunctionTicket | Conjunction Ticket | Ticket that contains additional coupons for this leg of the trip on an itinerary that has more than four segments. | Optional | String (14) |
| airlineData_leg_#_departTax | Departure tax | Amount of departure tax for this leg of the trip. | Optional | Integer (12) |
| airlineData_leg_#_departureDate | Travel Date | Departure date for this leg of the trip. The format is MMDDYY. | Required for the first leg; optional for additional legs | Integer (exactly 6) |
| airlineData_leg_#_destination | City of Destination/ Airport Code | IATA ¹ code for the destination airport for this leg of the trip. | Optional | String (5) |
| airlineData_leg_#_exchangeTicket | Exchange Ticket | New ticket number that is issued when the ticket is exchanged for this leg of the trip. | Optional | String (15) |
| airlineData_leg_#_fareBasis | Fare Basis Code | 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. | Optional | String (6) |
| airlineData_leg_#_originatingAirportCode | City of Origin/ Airport Code | IATA ¹ code for the originating airport for this leg of the trip. | Required for the first leg; optional for additional legs | String (5) |
| airlineData_leg_#_stopoverCode | Stop Over Code | Code that indicates whether a stopover is allowed on this leg of the trip. Possible values: <ul style="list-style-type: none"> ■ O (capital letter "O") (default): Stopover allowed ■ X (capital letter "X"): Stopover not allowed Required for Mastercard Corp T&E rate 3. For more information, see your acquirer. | Optional | Integer (1) |

1 IATA=International Air Transport Association

Examples

Name-Value Pair Examples

Example 22 Capture Request

```

ccCaptureService_run=true
merchantID=World Wide Travel
merchantReferenceCode=R98TV09EN200W
ccCaptureService_industryDatatype=airline
ccCaptureService_authRequestID=0839543530000172034078
purchaseTotals_currency=USD
purchaseTotals_grandTotalAmount=204.78
airlineData_agentCode=98222147
airlineData_agentName=Cyber Vacations
airlineData_passengerName=Johnny Smith
airlineData_restrictedTicketIndicator=0
airlineData_ticketIssuerAddress=123 Main Street
airlineData_ticketNumber=02721187251
airlineData_leg_0_departureDate=101512
airlineData_leg_0_originatingAirportCode=SJC
airlineData_leg_0_carrierCode=AA
airlineData_leg_0_destination=SEA
airlineData_leg_0_fareBasis=HL7WNR
airlineData_leg_1_departureDate=102012
airlineData_leg_1_originatingAirportCode=SEA
airlineData_leg_1_carrierCode=AA
airlineData_leg_1_destination=SJC
airlineData_leg_1_fareBasis=HL7WNR

```

Example 23 Capture Reply

```

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

```

XML Examples

Example 24 Capture Request

```

<requestMessage xmlns="urn:schemas-cybersource-com:transaction-data-1.23">
  <merchantID>World Wide Travel</merchantID>
  <merchantReferenceCode>R98TV09EN200W</merchantReferenceCode>
  <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>
    <ticketIssuerAddress>123 Main Street</ticketIssuerAddress>
    <ticketNumber>02721187251</ticketNumber>
    <restrictedTicketIndicator>0</restrictedTicketIndicator>
    <passengerName>Johnny Smith</passengerName>
    <leg id="0">
      <carrierCode>AA</carrierCode>
      <originatingAirportCode>SJC</originatingAirportCode>
      <departureDate>101512</departureDate>
      <destination>SEA</destination>
      <fareBasis>HL7WNR</fareBasis>
    </leg>
    <leg id="1">
      <carrierCode>AA</carrierCode>
      <originatingAirportCode>SEA</originatingAirportCode>
      <departureDate>102012</departureDate>
      <destination>SJC</destination>
      <fareBasis>HL7WNR</fareBasis>
    </leg>
  </airlineData>
</requestMessage>

```

Example 25 Capture Reply

```
<c:replyMessage xmlns:c="urn:schemas-cybersource-com:transaction-data-1.23">
  <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>
```

CyberSource through VisaNet Airline Data

Requirements



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.



Important

Values for all airline fields must consist of English characters.

Supported Acquirers

The following CyberSource through VisaNet acquirers are supported for airline data processing:

- Agricultural Bank of China (ABC)
- Ahli United Bank in Bahrain
- Arab African International Bank (AAIB)
- Asia Commercial Bank (ACB)
- Auckland Savings Bank (ASB)
- Axis Bank Ltd. of India
- Bangkok Bank Ltd.
- Bank Muscat of Oman
- Bank of Ayudhya (BAY)
- Bank of China (BOC)
- Bank of Communications
- Bank Sinarmas (Omise Ltd.)
- Banque Pour Le Commerce Exterieur Lao (BCEL)
- Barclays Bank Mauritius Ltd.

- Barclays Bank Botswana
- Barclays Bank of Ghana Ltd., Barclays Bank of Tanzania Ltd., and Barclays Bank of Uganda Ltd.
- Barclays Bank of Kenya
- Barclays Bank of Zambia
- Barclays Bank Seychelles
- BC Card Co., Ltd.
- BLOM Bank
- Cathay United Bank (CUB)
- Citibank Hongkong and Macau
- Citibank Singapore Ltd.
- Commercial Bank of Qatar
- CrediMax (Bahrain)
- CTBC Bank Ltd.
- FirstRand Bank
- Global Payments Asia Pacific
- Habib Bank Ltd. (HBL)
- HDFC Bank Ltd. of India
- I&M Bank
- ICICI of India
- Korea Exchange Bank (KEB)
- Mashreq
- National Bank of Abu Dhabi (NBAD)
- National Bank of Kuwait (NBK)
- National Commercial Bank
- Network International
- Overseas Chinese Banking Corp (OCBC)
- Promerica in Honduras and Nicaragua
- Qatar National Bank (QNB Group)
- Taishin Bank Ltd.
- United Overseas Bank (UOB) in Singapore and Vietnam
- United Overseas Bank (UOB) in Thailand
- Vietcombank
- Wing Lung Bank

Airline Data Processing

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

Table 18 Airline Data Processing Features for CyberSource through VisaNet

| 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 |
| Travel Legs | Maximum number of travel legs: 4 Numbering for the travel legs: 0 to 3 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. |

Special Data Type for CyberSource through VisaNet

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 Using the Simple Order API](#). You can also include fields for card-present transactions. See [Card-Present Processing 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 19 General Request Fields

| CyberSource Field Name | CyberSource through VisaNet Field Name | Description | Required / Optional ¹ | Data Type & Length ¹ |
|-------------------------|--|---|----------------------------------|--|
| airlineData_agentCode | agencyCode | IATA ² code for the travel agency. Format: English characters only. | Optional | Restricted String (8) ³ |
| 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) |

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 54.
2 IATA=International Air Transport Association
3 See "Special Data Type for CyberSource through VisaNet," page 54.

Table 19 General Request Fields (Continued)

| CyberSource Field Name | CyberSource through VisaNet Field Name | Description | Required / Optional ¹ | Data Type & Length ¹ |
|-----------------------------------|--|---|----------------------------------|-------------------------------------|
| airlineData_clearingCount | clearingSequenceCount | Total number of clearing messages associated with the authorization request. Format: English characters only. | Optional | Integer (2) |
| airlineData_clearingSequence | clearingSequenceNumber | 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) |
| airlineData_creditReasonIndicator | creditReasonIndicator | Reason for the credit. Possible values: <ul style="list-style-type: none"> ■ A: Cancellation of the ancillary passenger transport purchase. ■ B: Cancellation of the airline ticket and the passenger transport ancillary purchase. ■ C: Cancellation of the airline ticket. ■ O: Other. ■ P: Partial refund of the airline ticket. 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) ³ |

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 54.
2 IATA=International Air Transport Association
3 See "Special Data Type for CyberSource through VisaNet," page 54.

Table 19 General Request Fields (Continued)

| CyberSource Field Name | CyberSource through VisaNet Field Name | Description | Required / Optional ¹ | Data Type & Length ¹ |
|----------------------------------|--|--|----------------------------------|---------------------------------|
| airlineData_documentType | documentType | Airline document type code that specifies the purpose of the transaction. For the possible values, see Appendix A, "Airline Document Type Codes," on page 136. 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">■ Y: Yes■ N: No Format: English characters only. | Optional | String (1) |
| airlineData_exchangeTicketAmount | exchangeTicketAmount | Amount of the exchanged ticket. Format: English characters only. | Optional | String (12) |
| airlineData_exchangeTicketFee | exchangeTicketFee | Fee for exchanging the ticket. Format: English characters only. | Optional | String (12) |
| airlineData_numberOfPassengers | numberOfPassengers | 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) |

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 54.

² IATA=International Air Transport Association

³ See "Special Data Type for CyberSource through VisaNet," page 54.

Table 19 General Request Fields (Continued)

| CyberSource Field Name | CyberSource through VisaNet Field Name | Description | Required / Optional ¹ | Data Type & Length ¹ |
|---------------------------------------|--|--|----------------------------------|------------------------------------|
| airlineData_purchaseType | ticketType | Type of purchase. Possible values: <ul style="list-style-type: none"> ■ EXC: Exchange ticket ■ MSC: Miscellaneous (not a ticket purchase and not a transaction related to an exchange ticket) ■ REF: Refund ■ TKT: Ticket Format: English characters only. | Optional | String (3) |
| airlineData_reservationSystem | reservationSystem | Code that specifies the computerized reservation system used to make the reservation and purchase the ticket. Format: English characters only. | Optional | Restricted String (4) ¹ |
| airlineData_restrictedTicketIndicator | restrictedTicketIndicator | Flag that indicates whether the ticket is restricted (nonrefundable). Possible values: <ul style="list-style-type: none"> ■ 0: No restriction (refundable) ■ 1: Restricted (nonrefundable) Format: English characters only. | Optional | Restricted String (1) ³ |
| 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) |

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 54.
2 IATA=International Air Transport Association
3 See "Special Data Type for CyberSource through VisaNet," page 54.

Table 19 General Request Fields (Continued)

| CyberSource Field Name | CyberSource through VisaNet Field Name | Description | Required / Optional ¹ | Data Type & Length ¹ |
|-----------------------------------|--|--|--|-------------------------------------|
| airlineData_ticketIssuerCode | issuerCode | IATA ² 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) ³ |
| 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"> ■ C: Change to the existing ticket. ■ N: New ticket. 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) |
| airlineData_totalFee | totalFee | Total fee for the ticket. 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 54.
2 IATA=International Air Transport Association
3 See "Special Data Type for CyberSource through VisaNet," page 54.

Table 19 General Request Fields (Continued)

| CyberSource Field Name | CyberSource through VisaNet Field Name | Description | Required / Optional ¹ | Data Type & Length ¹ |
|------------------------------------|--|--|----------------------------------|---------------------------------|
| 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) |

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 54.

2 IATA=International Air Transport Association

3 See "Special Data Type for CyberSource through VisaNet," page 54.

Table 20 Ancillary Request Fields

| CyberSource Field Name | CyberSource through VisaNet Field Name | Description | Required / Optional ¹ | Data Type & Length ¹ |
|-------------------------------------|--|---|----------------------------------|---------------------------------|
| 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 ancillaryData_ticketNumber field.</p> <p>Important 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"> ■ A: Cancellation of ancillary purchase. ■ B: Cancellation of airline ticket and ancillary purchase. ■ O: Other. <p>Format: English characters only.</p> | Optional | String (1) |

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 54.

Table 20 Ancillary Request Fields (Continued)

| CyberSource Field Name | CyberSource through VisaNet Field Name | Description | Required / Optional ¹ | Data Type & Length ¹ |
|---|--|---|----------------------------------|---------------------------------|
| 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. Important 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). Note # is either 0, 1, 2, or 3. Important 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). Note # is 0, 1, 2, or 3. Format: English characters only. | Optional | String (4) |

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 54.

Table 20 Ancillary Request Fields (Continued)

| CyberSource Field Name | CyberSource through VisaNet Field Name | Description | Required / Optional ¹ | Data Type & Length ¹ |
|--|--|---|----------------------------------|---------------------------------|
| ancillaryData_ticketNumber | ticketDocument Number | Ticket number, which consists of the carrier code, form, and serial number, without the check digit. Important 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>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 54.</p> | | | | |

Table 21 Request Fields for Travel Legs

| CyberSource Field Name | CyberSource through VisaNet Field Name | Description | Required / Optional ¹ | Data Type & Length ¹ |
|---|--|---|----------------------------------|------------------------------------|
| 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"> ■ A : 12:00 midnight to 11:59 a.m. ■ P : 12:00 noon to 11:59 p.m. Format: English characters only. | Optional | Restricted String (1) ² |
| airlineData_leg_#_carrierCode | carrierCode | IATA ³ code for the carrier for this leg of the trip. Format: English characters only. | Optional | Restricted String (2) ² |
| <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 54.</p> <p>² See "Special Data Type for CyberSource through VisaNet," page 54.</p> <p>³ IATA=International Air Transport Association</p> | | | | |

Table 21 Request Fields for Travel Legs (Continued)

| CyberSource Field Name | CyberSource through VisaNet Field Name | Description | Required / Optional ¹ | Data Type & Length ¹ |
|--|--|---|----------------------------------|-------------------------------------|
| airlineData_leg_#_class | serviceClass | IATA ³ code for the class of service for this leg of the trip. Format: English characters only. | Optional | Restricted String (1) ² |
| 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) ² |
| 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) ² |
| 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"> ■ A: 12:00 midnight to 11:59 a.m. ■ P: 12:00 noon to 11:59 p.m. Format: English characters only. | Optional | Restricted String (1) ² |
| airlineData_leg_#_destination | destination | IATA ³ code for the destination airport for this leg of the trip. Format: English characters only. | Optional | Restricted String (3) ² |

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 54.
2 See "Special Data Type for CyberSource through VisaNet," page 54.
3 IATA=International Air Transport Association

Table 21 Request Fields for Travel Legs (Continued)

| CyberSource Field Name | CyberSource through VisaNet Field Name | Description | Required / Optional ¹ | Data Type & Length ¹ |
|--|--|--|----------------------------------|-------------------------------------|
| 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) ² |
| 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) ² |
| 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) ² |
| <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 54.</p> <p>2 See "Special Data Type for CyberSource through VisaNet," page 54.</p> <p>3 IATA=International Air Transport Association</p> | | | | |

Table 21 Request Fields for Travel Legs (Continued)

| CyberSource Field Name | CyberSource through VisaNet Field Name | Description | Required / Optional ¹ | Data Type & Length ¹ |
|--|--|---|----------------------------------|------------------------------------|
| airlineData_leg_#_originatingAirportCode | airportCode | IATA ³ code for the originating airport for this leg of the trip. Format: English characters only. | Optional | Restricted String (3) ² |
| 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"> ■ O (capital letter "O") (default): Stopover allowed ■ X (capital letter "X"): Stopover not allowed Format: English characters only. | Optional | Restricted String (1) ² |
| 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 54.

2 See "Special Data Type for CyberSource through VisaNet," page 54.

3 IATA=International Air Transport Association

Table 22 Item-Level Field

| CyberSource Field Name | CyberSource through VisaNet Field Name | Description | Required / Optional ¹ | Data Type & Length ¹ |
|------------------------|--|---|----------------------------------|---------------------------------|
| item_#_taxAmount | totalTaxes | Tax portion of the order amount. This value cannot exceed 99999999999999 (fourteen 9s). See " Numbered Elements ," page 13. 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 54.

Examples

Name-Value Pair Examples

Example 26 Capture Request with Airline Data

```

merchantID=World Wide Travel
merchantReferenceCode=R98TV09EN200W
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 27 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 28 Capture Request with Ancillary Data

```
merchantID=World Wide Travel
merchantReferenceCode=R98TV09EN200W
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 29 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 30 Capture Request with Airline Data

```

<requestMessage xmlns="urn:schemas-cybersource-com:transaction-data-1.60">
  <merchantID>World Wide Travel</merchantID>
  <merchantReferenceCode>R98TV09EN200W</merchantReferenceCode>
  <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 31 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 32 Capture Request with Ancillary Data

```

<requestMessage xmlns="urn:schemas-cybersource-com:transaction-data-1.60">
  <merchantID>World Wide Travel</merchantID>
  <merchantReferenceCode>R98TV09EN200W</merchantReferenceCode>
  <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 33 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>
```

Elavon Airline Data

Airline Data Processing

The following table describes various features for airline data processing with Elavon.

Table 23 Airline Data Processing Features for Elavon

| Feature | Description |
|---|--|
| Supported Card Types | Visa Mastercard Diners Club Discover |
| Travel Legs with Visa ¹ | Maximum number of travel legs: 4 Numbering for the travel legs: 0 to 3 |
| Travel Legs with Mastercard ¹ | Maximum number of travel legs: 4 Numbering for the travel legs: 0 to 3 |
| Travel Legs with Diners Club ¹ | Maximum number of travel legs: 4 Numbering for the travel legs: 0 to 3 |
| Travel Legs with Discover ¹ | Maximum number of travel legs: 4 Numbering for the travel legs: 0 to 3 |
| Specification used by CyberSource to implement airline data processing | <i>Citibank Global Multi Currency Input Format (GMCIF)</i> , version 1.29 |
| ¹ 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. | |

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 Using the Simple Order API](#).

Table 24 General Request Fields

| CyberSource Field Name | Elavon Field Name | Description | Required / Optional | Data Type & Length |
|---------------------------------------|-------------------|---|--|---|
| airlineData_agentCode | Agent Code | IATA ¹ code for the travel agency. | Required | String with numbers only (8) |
| airlineData_agentName | Agent Name | Name of the travel agency that is issuing the ticket. | Required | String (26) |
| airlineData_customerCode | Customer Code | Customer reference. | Optional for Diners Club and Discover Not used for Visa or Mastercard | String (20) |
| airlineData_passengerName | Passenger Name | Name of the passenger to whom the ticket was issued. Do not include special characters such as commas, hyphens, or apostrophes. Only ASCII characters are supported. | Required | String (29) |
| airlineData_restrictedTicketIndicator | Restricted Ticket | Flag that indicates whether or not the ticket is restricted (nonrefundable). Possible values: <ul style="list-style-type: none"> ■ 0 : No restriction (refundable) ■ 1 : Restricted (nonrefundable) | Required | Integer (1) |
| airlineData_ticketIssuerCode | Airline code | IATA ¹ airline code. Use the first 3 digits of the ticket number. | Required | String with numbers only (15) |
| airlineData_ticketNumber | Ticket Number | Ticket number. | Required | String with letters and numbers only (11) |

¹ IATA=International Air Transport Association

Table 24 General Request Fields (Continued)

| CyberSource Field Name | Elavon Field Name | Description | Required / Optional | Data Type & Length |
|------------------------------------|----------------------------------|--|-----------------------|--------------------|
| 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. Important 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. | 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. Important 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. | Required for credits | String (7) |

1 IATA=International Air Transport Association

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.

Table 25 Request Fields for Travel Legs

| CyberSource Field Name | Elavon Field Name | Description | Required / Optional | Data Type & Length |
|--------------------------------|-------------------|---|--|--------------------|
| airlineData_leg_#_ carrierCode | Segment # | IATA ¹ code for the carrier for this leg of the trip. | Required for the first leg; optional for additional legs | String (3) |
| airlineData_leg_#_ class | Class | IATA ¹ code for the class of service for this leg of the trip, such as coach or first class. | Required for the first leg; optional for additional legs | String (3) |

1 IATA=International Air Transport Association

Table 25 Request Fields for Travel Legs (Continued)

| CyberSource Field Name | Elavon Field Name | Description | Required / Optional | Data Type & Length |
|--|---------------------|--|---|------------------------------|
| airlineData_leg_#_departureDate | Leg Departure Date | Departure date for this leg of the trip. The format is YYYYMMDD. | Required for the first leg; optional for additional legs | String with numbers only (8) |
| airlineData_leg_#_destination | Destination | IATA ¹ code for the destination airport for this leg of the trip. | Required for the first leg; optional for additional legs | String (3) |
| airlineData_leg_#_fareBasis | Fare Basis | 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. | Optional | String (6) |
| airlineData_leg_#_flightNumber | Flight Number | Flight number for this leg of the trip. | Required for the first leg for Diners Club; optional for additional legs and for other card types | String (6) |
| airlineData_leg_#_originatingAirportCode | Originating Airport | IATA ¹ code for the originating airport for this leg of the trip. | Required for the first leg; optional for additional legs | String (3) |
| airlineData_leg_#_stopoverCode | Stop Over Code | Code that indicates whether a stopover is allowed on this leg of the trip. Possible values: <ul style="list-style-type: none"> ■ 0: Stopover allowed ■ 1: Stopover not allowed | Required for the first leg; optional for additional legs | Integer (1) |

1 IATA=International Air Transport Association

Examples

Example 34 Capture Request Using Name-Value Pairs

```
merchantID=World Wide Travel
ccCaptureService_run=true
ccCaptureService_industryDatatype=airline
merchantReferenceCode=R98TV09EN200W
ccCaptureService_authRequestID=0839543530000172034078
purchaseTotals_currency=USD
purchaseTotals_grandTotalAmount=204.78
airlineData_agentCode=98222147
airlineData_agentName=Regent Travel
airlineData_ticketNumber=02721187251
airlineData_restrictedTicketIndicator=1
airlineData_ticketIssuerCode=927
airlineData_passengerName=John Smith
airlineData_leg_0_carrierCode=AA
airlineData_leg_0_flightNumber=397
airlineData_leg_0_originatingAirportCode=SJC
airlineData_leg_0_class=H
airlineData_leg_0_stopoverCode=1
airlineData_leg_0_departureDate=20041013
airlineData_leg_0_destination=SEA
airlineData_leg_0_fareBasis=HL7WNR
airlineData_leg_1_carrierCode=AA
airlineData_leg_1_class=H
airlineData_leg_1_stopoverCode=1
airlineData_leg_1_departureDate=20041020
airlineData_leg_1_destination=SJC
airlineData_leg_1_fareBasis=HL7WNR
```

Example 35 Capture Request Using XML

```

<requestMessage xmlns="urn:schemas-cybersource-com:transaction-data-1.11">
  <merchantID>World Wide Travel</merchantID>
  <merchantReferenceCode>R98TV09EN200W</merchantReferenceCode>
  <purchaseTotals>
    <currency>USD</currency>
    <grandTotalAmount>204.78</grandTotalAmount>
  </purchaseTotals>
  <ccCaptureService run="true">
    <authRequestID>0839543530000172034078</authRequestID>
    <industryDatatype>airline</industryDatatype>
  </ccCaptureService>
  <airlineData>
    <agentCode>98222147</agentCode>
    <agentName>Regent Travel</agentName>
    <ticketNumber>02721187251</ticketNumber>
    <restrictedTicketIndicator>1</restrictedTicketIndicator>
    <ticketIssuerCode>927</ticketIssuerCode>
    <passengerName>John Smith</passengerName>
    <leg id="0">
      <carrierCode>AA</carrierCode>
      <flightNumber>397</flightNumber>
      <originatingAirportCode>SJC</originatingAirportCode>
      <class>H</class>
      <stopoverCode>1</stopoverCode>
      <departureDate>20041013</departureDate>
      <destination>SEA</destination>
      <fareBasis>HL7WNR</fareBasis>
    </leg>
    <leg id="1">
      <carrierCode>AA</carrierCode>
      <class>H</class>
      <stopoverCode>1</stopoverCode>
      <departureDate>20041020</departureDate>
      <destination>SJC</destination>
      <fareBasis>HL7WNR</fareBasis>
    </leg>
  </airlineData>
</requestMessage>

```

FDC Nashville Global Airline Data

Airline Data Processing

The following table describes various features for airline data processing with FDC Nashville Global.

Table 26 Airline Data Processing Features for FDC Nashville Global

| Feature | Description |
|--|---|
| Supported Card Types | Visa Mastercard |
| Travel Legs | Maximum number of travel legs: 99 Numbering for the travel legs: 0 to 98 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. |
| Specification used by CyberSource to implement airline data processing | First Data's <i>PTS</i> specification, version 2006.1B, dated June 20, 2006 |

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 Using the Simple Order API](#).

Table 27 General Request Fields

| CyberSource Field Name | FDC Nashville Global Field Name | Description | Required / Optional | Data Type & Length |
|---------------------------------------|---------------------------------|---|--|--------------------|
| airlineData_agentCode | Travel Agency Code | IATA ¹ code for the travel agency. For Mastercard, this value cannot be all zeros. | Optional | String (8) |
| airlineData_agentName | Travel Agency Name | Name of the travel agency that is issuing the ticket. For Mastercard, this value cannot be all zeros. | Optional | String (25) |
| airlineData_clearingCount | Clearing Count | Total number of clearing record messages associated with the authorization request. Default is 01. | Optional for Visa Not used for Mastercard | Integer (2) |
| airlineData_clearingSequence | Clearing Sequence | Number that identifies the clearing record message when multiple clearing record messages are allowed per authorized transaction. Default is 01. | Optional for Visa Not used for Mastercard | Integer (2) |
| airlineData_customerCode | Customer Code | Code provided by the cardholder. | Optional | String (17) |
| airlineData_passengerName | Passenger Name | Name of the passenger to whom the ticket was issued. Do not include special characters such as commas, hyphens, or apostrophes. Only ASCII characters are supported. | Required | String (25) |
| airlineData_restrictedTicketIndicator | Restricted Ticket Indicator | Flag that indicates whether or not the ticket is restricted (nonrefundable). Possible values: <ul style="list-style-type: none"> ■ 0 : No restriction (refundable) ■ 1 : Restricted (nonrefundable) | Required for Visa | Integer (1) |

¹ IATA=International Air Transport Association

Table 27 General Request Fields (Continued)

| CyberSource Field Name | FDC Nashville Global Field Name | Description | Required / Optional | Data Type & Length |
|------------------------------------|----------------------------------|--|--|--------------------|
| airlineData_ticketNumber | Ticket Number | Primary ticket number. | Required | String (15) |
| airlineData_totalClearingAmount | Total Clearing Amount | Total clearing amount for all transactions in the clearing count set. If this field is not set and if the total amount from the original authorization is not NULL, CyberSource sets the total clearing amount to the total amount from the original authorization. | Optional for Visa Not used for Mastercard | Integer (5) |
| airlineData_totalFee | Total Fee | Total fee for the ticket. | Optional | Integer (11) |
| 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. Important 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. | 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. Important 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. | Required for credits | String (7) |

1 IATA=International Air Transport Association

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.

Table 28 Request Fields for Travel Legs

| CyberSource Field Name | FDC Nashville Global Field Name | Description | Required / Optional | Data Type & Length |
|--|----------------------------------|--|---|--------------------|
| airlineData_leg_#_arrivalTime | Arrival Time | 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. | Required for Mastercard Optional for Visa | Integer (4) |
| airlineData_leg_#_arrivalTimeSegment | Arrival Time Segment | AM or PM for the arrival time for this leg of the trip. Possible values: <ul style="list-style-type: none"> ■ A: 12:00 midnight to 11:59 a.m. ■ P: 12:00 noon to 11:59 p.m. | Required for Mastercard Optional for Visa | String (1) |
| airlineData_leg_#_carrierCode | Carrier Code and Issuing Carrier | Carrier Code: IATA ¹ code for the carrier for this leg of the trip. Issuing Carrier: IATA ¹ code for the carrier that issued the entire ticket. There is only one issuing carrier for the ticket, not one for each leg. Only the value for leg 0 is used. | Required | String (4) |
| airlineData_leg_#_class | Service Class | IATA ¹ code for the class of service for this leg of the trip. | Required for reduced interchange; otherwise, optional | String (2) |
| airlineData_leg_#_conjunctionTicket | Conjunction Ticket | Ticket that contains additional coupons for this leg of the trip on an itinerary that has more than four segments. | Optional | String (14) |
| airlineData_leg_#_couponNumber | Coupon Number | Each leg on the ticket requires a separate coupon, and each coupon is identified by the coupon number. | Required for Mastercard Optional for Visa | String (1) |
| airlineData_leg_#_departureDate | Travel Date | Departure date for this leg of the trip. The format is MMDDYY. | Required | Integer (6) |
| <p>1 IATA=International Air Transport Association 2 For more information, contact your acquirer.</p> | | | | |

Table 28 Request Fields for Travel Legs (Continued)

| CyberSource Field Name | FDC Nashville Global Field Name | Description | Required / Optional | Data Type & Length |
|---|--------------------------------------|--|--|--------------------|
| airlineData_leg_#_departureTime | Departure Time | 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. | Required for Mastercard Optional for Visa | Integer (4) |
| airlineData_leg_#_departureTimeSegment | Departure Time Segment | AM or PM for the departure time for this leg of the trip. Possible values: <ul style="list-style-type: none"> ■ A : 12:00 midnight to 11:59 a.m. ■ P : 12:00 noon to 11:59 p.m. | Required for Mastercard Optional for Visa | String (1) |
| airlineData_leg_#_destination | City of Destination/ Airport Code | IATA ¹ code for the destination airport for this leg of the trip. | Required | String (5) |
| airlineData_leg_#_endorsementsRestrictions | Endorsement/ Restrictions | 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. | Optional | String (20) |
| airlineData_leg_#_exchangeTicket | Exchange Ticket | New ticket number that is issued when the ticket is exchanged for this leg of the trip. | Optional | String (15) |
| airlineData_leg_#_fareBasis | Fare Basis Code | 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. | Required for Mastercard Optional for Visa | String (15) |
| airlineData_leg_#_flightNumber | Flight Number | Flight number for this leg of the trip. Required for Mastercard Corp T&E rate 3. ² | Optional | String (5) |
| <p>1 IATA=International Air Transport Association 2 For more information, contact your acquirer.</p> | | | | |

Table 28 Request Fields for Travel Legs (Continued)

| CyberSource Field Name | FDC Nashville Global Field Name | Description | Required / Optional | Data Type & Length |
|--|---------------------------------|--|---------------------|--------------------|
| airlineData_leg_#_originatingAirportCode | City of Origin/ Airport Code | IATA ¹ code for the originating airport for this leg of the trip. | Required | String (5) |
| airlineData_leg_#_stopoverCode | Stop Over Code | Code that indicates whether a stopover is allowed on this leg of the trip. Possible values: <ul style="list-style-type: none"> ■ O (capital letter "O") (default): Stopover allowed ■ X (capital letter "X"): Stopover not allowed Required for Mastercard Corp T&E rate 3. ² | Optional | String (1) |

1 IATA=International Air Transport Association
2 For more information, contact your acquirer.

Examples

Name-Value Pair Examples

Example 36 Capture Request

```

ccCaptureService_run=true
merchantID=World Wide Travel
merchantReferenceCode=R98TV09EN200W
ccCaptureService_industryDatatype=airline
ccCaptureService_authRequestID=0839543530000172034078
purchaseTotals_currency=USD
purchaseTotals_grandTotalAmount=204.78
airlineData_agentCode=98222147
airlineData_agentName=Cyber Vacations
airlineData_passengerName=Johnny Smith
airlineData_restrictedTicketIndicator=0
airlineData_ticketNumber=02721187251
airlineData_leg_0_departureDate=121506
airlineData_leg_0_departureTime=0931
airlineData_leg_0_departureTimeSegment=A
airlineData_leg_0_originatingAirportCode=SJC
airlineData_leg_0_carrierCode=AA
airlineData_leg_0_destination=SEA
airlineData_leg_0_fareBasis=HL7WNR
airlineData_leg_0_couponNumber=1
airlineData_leg_0_arrivalTime=1131
airlineData_leg_0_arrivalTimeSegment=A
airlineData_leg_1_departureDate=122006
airlineData_leg_1_departureTime=1625
airlineData_leg_1_departureTimeSegment=P
airlineData_leg_1_originatingAirportCode=SEA
airlineData_leg_1_carrierCode=AA
airlineData_leg_1_destination=SJC
airlineData_leg_1_fareBasis=HL7WNR
airlineData_leg_1_couponNumber=2
airlineData_leg_1_arrivalTime=1837
airlineData_leg_1_arrivalTimeSegment=P

```

Example 37 Capture Reply

```

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

```

XML Examples

Example 38 Capture Request

```

<requestMessage xmlns="urn:schemas-cybersource-com:transaction-data-1.23">
  <merchantID>World Wide Travel</merchantID>
  <merchantReferenceCode>R98TV09EN200W</merchantReferenceCode>
  <ccCaptureService run="true">
    <industryDatatype>airline</industryDatatype>
    <authRequestID>0839543530000172034078</authRequestID>
  </ccCaptureService>
  <purchaseTotals>
    <currency>USD</currency>
    <grandTotalAmount>204.78</grandTotalAmount>
  </purchaseTotals>
  <airlineData>
    <agentCode>98222147</agentCode>
    <agentName>Cyber Vacations</agentName>
    <passengerName>Johnny Smith</passengerName>
    <restrictedTicketIndicator>0</restrictedTicketIndicator>
    <ticketNumber>02721187251</ticketNumber>
    <leg id="0">
      <departureDate>121506</departureDate>
      <departureTime>0931</departureTime>
      <departureTimeSegment>A</departureTimeSegment>
      <originatingAirportCode>SJC</originatingAirportCode>
      <carrierCode>AA</carrierCode>
      <destination>SEA</destination>
      <fareBasis>HL7WNR</fareBasis>
      <couponNumber>1</couponNumber>
      <arrivalTime>1131</arrivalTime>
      <arrivalTimeSegment>A</arrivalTimeSegment>
    </leg>
    <leg id="1">
      <departureDate>122006</departureDate>
      <departureTime>1625</departureTime>
      <departureTimeSegment>P</departureTimeSegment>
      <originatingAirportCode>SEA</originatingAirportCode>
      <carrierCode>AA</carrierCode>
      <destination>SJC</destination>
      <fareBasis>HL7WNR</fareBasis>
      <couponNumber>2</couponNumber>
      <arrivalTime>1837</arrivalTime>
      <arrivalTimeSegment>P</arrivalTimeSegment>
    </leg>
  </airlineData>
</requestMessage>

```

Example 39 Capture Reply

```
<c:replyMessage xmlns:c="urn:schemas-cybersource-com:transaction-data-1.23">
  <c:requestID>0305782650000167905080</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>
```

Getnet Airline Data

Airline Data Processing

The following table describes various features for airline data processing with Getnet.

Table 29 Airline Data Processing Features for Getnet

| Feature | Description |
|--|---|
| Supported Card Types | Visa Mastercard American Express |
| Specification used by CyberSource to implement airline data processing | <i>e-Commerce WebService Integration Guide, v5.00</i> |

Request Field

This section describes the airline request field to use with an authorization request. In addition to the field in [Table 30](#), another field that is useful for airline transactions on Getnet is **installment_downPayment**, which is documented in [Credit Card Services Using the Simple Order API](#). You can use the **installment_downPayment** field to send the first installment amount for an airline transaction.



Important

When you send a request with airline data, you must include the basic fields required for every authorization request. For information about the non-airline-data fields required for authorization requests, see [Credit Card Services Using the Simple Order API](#).

Table 30 General Request Field

| Field | Description | Required / Optional ¹ | Data Type & Length ¹ |
|-------------------------|---------------|----------------------------------|---------------------------------|
| airlineData_boardingFee | Boarding fee. | Optional | String (12) |

Lloyds-OmniPay Airline Data

Airline Data Processing

The following table describes various features for airline data processing with Lloyds-OmniPay.

Table 31 Airline Data Processing Features for Lloyds-OmniPay

| Feature | Description |
|--|---|
| Supported Card Types | Visa Mastercard |
| Travel Legs with Visa ¹ | Maximum number of travel legs: 4 Numbering for the travel legs: 0 to 3 |
| Travel Legs with Mastercard ¹ | Maximum number of travel legs: 999 Numbering for the travel legs: 0 to 998 |
| Specification used by CyberSource to implement airline data processing | <i>Lloyds-OmniPay's Airline Addendum Records – Impact to 80 Byte specification, version 1.0, dated February 6, 2006</i> |
| <p>¹ 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> | |

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 Using the Simple Order API](#).

Table 32 General Request Fields

| CyberSource Field Name | Lloyds-OmniPay Field Name | Description | Required / Optional | Data Type & Length |
|---------------------------|---------------------------|--|--|--|
| airlineData_agentCode | Travel Agency Code | IATA ¹ code for the travel agency. | Optional | String (8) |
| airlineData_agentName | Travel Agency Name | Name of the travel agency that is issuing the ticket. Note For Visa, if the number of characters exceeds 25, the value is truncated. | Optional | Visa: String (25) Mastercard: String (30) |
| airlineData_carrierName | Issuing Carrier | Name of the airline that is issuing the ticket. | Optional for Mastercard Not used for Visa | String (4) |
| airlineData_customerCode | Customer Code | Code provided by the cardholder. | Optional | String (17) |
| airlineData_passengerName | Passenger Name | Name of the passenger to whom the ticket was issued. Do not include special characters such as commas, hyphens, or apostrophes. Only ASCII characters are supported. For Visa, the first character cannot be a space. Note For Visa, if the number of characters exceeds 20, the value is truncated. | Required | Visa: String (20) Mastercard: String (29) |

¹ IATA=International Air Transport Association

Table 32 General Request Fields (Continued)

| CyberSource Field Name | Lloyds-OmniPay Field Name | Description | Required / Optional | Data Type & Length |
|---|----------------------------------|--|--|--------------------|
| airlineData_ restrictedTicketIndicator | Restricted Ticket Indicator | Flag that indicates whether or not the ticket is restricted (nonrefundable). Possible values: <ul style="list-style-type: none"> ■ 0 (default): No restriction (refundable) ■ 1: Restricted (nonrefundable) | Optional for Visa Not used for Mastercard | String (1) |
| airlineData_ticketNumber | Ticket Number | Ticket number. | Required | String (15) |
| 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. Important 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. | 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. Important 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. | Required for credits | String (7) |

1 IATA=International Air Transport Association

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.

Table 33 Request Fields for Travel Legs

| CyberSource Field Name | Lloyds-OmniPay Field Name | Description | Required / Optional | Data Type & Length |
|--|--|---|--|--|
| airlineData_leg_#_carrierCode | Mastercard: Carrier Code Visa: Trip Leg <i>n</i> Carrier Code | IATA ¹ code for the carrier for this leg of the trip. | Required | String (2) |
| airlineData_leg_#_class | Mastercard: Service Class Code Visa: Trip Leg <i>n</i> Service Class | IATA ¹ code for the class of service for this leg of the trip, such as coach or first class. Note For Visa, if there is more than one character, the value is truncated. | Required | Visa: String (1) Mastercard: String (2) |
| airlineData_leg_#_departureDate | Mastercard: Travel Date Visa: Departure Date | Departure date for this leg of the trip. Format: YYYYMMDD. This date must be in the future. | Required | Integer (6) |
| airlineData_leg_#_departureTime | Departure Time | Time of departure. The format is HHMM. If not all zeros, then the hours must be 00-23 and the minutes must be 00-59. | Optional for Mastercard Not used for Visa | Integer (4) |
| airlineData_leg_#_departureTimeSegment | Departure Time Segment | AM or PM for the departure time. Possible values: ■ A: 12:00 midnight to 11:59 a.m. ■ P: 12:00 noon to 11:59 p.m. | Optional for Mastercard Not used for Visa | String (1) |
| airlineData_leg_#_destination | Mastercard: City of Destination/ Airport Code Visa: Trip Leg <i>n</i> Destination City/ Airport Code | IATA ¹ code for the destination airport for this leg of the trip. Note For Visa, if the number of characters exceeds 3, the value is truncated. | Required | Visa: String (3) Mastercard: String (5) |

¹ IATA=International Air Transport Association

Table 33 Request Fields for Travel Legs (Continued)

| CyberSource Field Name | Lloyds-OmniPay Field Name | Description | Required / Optional | Data Type & Length |
|--|--|---|---------------------|---|
| airlineData_leg_#_fareBasis | Mastercard: Fare Basis Code Visa: Trip Leg <i>n</i> - Fare Basis Code | 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. For Visa, this field may contain spaces. Note For Visa, if the number of characters exceeds 6, the value is truncated. | Optional | Visa: String (6) Mastercard: String (15) |
| airlineData_leg_#_flightNumber | Mastercard: Flight Number Visa: Trip Leg <i>n</i> - Flight Number | Flight number for this leg of the trip. For Visa, this field may contain spaces. | Optional | String (5) |
| airlineData_leg_#_originatingAirportCode | Mastercard: City of Origin/Airport Code Visa: Origination City/Airport Code | IATA ¹ code for the originating airport for this leg of the trip. For Visa, the value for miscellaneous airline changes must be XAA. | Required | String (5) |
| airlineData_leg_#_stopoverCode | Mastercard: Stopover Code Visa: Trip Leg <i>n</i> Stopover Code | Code that indicates whether a stopover is allowed on this leg of the trip. Possible values: <ul style="list-style-type: none">■ O (capital letter "O") (default): Stopover allowed■ X (capital letter "X"): Stopover not allowed | Required | String (1) |
| 1 IATA=International Air Transport Association | | | | |

Examples

Name-Value Pair Examples

Example 40 Capture Request

```

ccCaptureService_run=true
merchantID=okgo
merchantReferenceCode=R98TV09EN200W
ccCaptureService_industryDatatype=airline
ccCaptureService_authRequestID=0839543530000172034078
purchaseTotals_currency=USD
purchaseTotals_grandTotalAmount=204.78
airlineData_agentCode=98222147
airlineData_agentName=Cyber Vacations
airlineData_passengerName=Johnny Smith
airlineData_ticketNumber=02721187251
airlineData_leg_0_departureDate=20061215
airlineData_leg_0_originatingAirportCode=SJC
airlineData_leg_0_carrierCode=AA
airlineData_leg_0_destination=SEA
airlineData_leg_0_fareBasis=HL7WNR
airlineData_leg_0_class=H
airlineData_leg_0_stopoverCode=0
airlineData_leg_1_departureDate=20061220
airlineData_leg_1_originatingAirportCode=SEA
airlineData_leg_1_carrierCode=AA
airlineData_leg_1_destination=SJC
airlineData_leg_1_fareBasis=HL7WNR
airlineData_leg_1_class=H
airlineData_leg_1_stopoverCode=0

```

Example 41 Capture Reply

```

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

```

XML Examples

Example 42 Capture Request

```

<requestMessage xmlns="urn:schemas-cybersource-com:transaction-data-1.23">
  <merchantID>okgo</merchantID>
  <merchantReferenceCode>R98TV09EN200W</merchantReferenceCode>
  <ccCaptureService run="true">
    <industryDatatype>airline</industryDatatype>
    <authRequestID>0839543530000172034078</authRequestID>
  </ccCaptureService>
  <purchaseTotals>
    <currency>USD</currency>
    <grandTotalAmount>204.78</grandTotalAmount>
  </purchaseTotals>
  <airlineData>
    <agentCode>98222147</agentCode>
    <agentName>Cyber Vacations</agentName>
    <passengerName>Johnny Smith</passengerName>
    <ticketNumber>02721187251</ticketNumber>
    <leg id="0">
      <departureDate>20061215</departureDate>
      <originatingAirportCode>SJC</originatingAirportCode>
      <carrierCode>AA</carrierCode>
      <destination>SEA</destination>
      <fareBasis>HL7WNR</fareBasis>
      <class>H</class>
      <stopoverCode>0</stopoverCode>
    </leg>
    <leg id="1">
      <departureDate>20061220</departureDate>
      <originatingAirportCode>SEA</originatingAirportCode>
      <carrierCode>AA</carrierCode>
      <destination>SJC</destination>
      <fareBasis>HL7WNR</fareBasis>
      <class>H</class>
      <stopoverCode>0</stopoverCode>
    </leg>
  </airlineData>
</requestMessage>

```

Example 43 Capture Reply

```
<c:replyMessage xmlns:c="urn:schemas-cybersource-com:transaction-data-1.23">
  <c:requestID>0305782650000167905080</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>
```

OmniPay Direct Airline Data

Airline Data Processing

The following table describes various features for airline data processing with OmniPay Direct.

Table 34 Airline Data Processing Features for OmniPay Direct

| Feature | Description |
|---|--|
| Ancillary Services | Ticket upgrades, baggage fees, food and beverage purchases, cancellation charges, partial airline ticket refunds, and ancillary fee cancellations |
| Supported Acquirers and Card Types | Bank of America Merchant Services: Visa, Mastercard Cardnet International: Visa, Mastercard, Maestro (UK Domestic), Maestro (International) First Data Merchant Solutions (Europe): Visa, Mastercard, Discover, Diners Club Global Payments International Acquiring: Visa, Mastercard |
| Travel Legs with Visa ¹ | Maximum number of travel legs: 4 Numbering for the travel legs: 0 to 3 |
| Travel Legs with Mastercard ¹ | Maximum number of travel legs: 999 Numbering for the travel legs: 0 to 998 |
| Travel Legs with Discover ¹ | Maximum number of travel legs: 999 Numbering for the travel legs: 0 to 998 |
| Travel Legs with Diners Club ¹ | Maximum number of travel legs: 999 Numbering for the travel legs: 0 to 998 |
| Travel Legs with Maestro (UK Domestic) and Maestro (International) ¹ | Maximum number of travel legs: 999 Numbering for the travel legs: 0 to 998 |
| Specification used by CyberSource to implement airline data processing | <i>OmniPay 80-Byte Electronic File Specifications</i> , Dated September 2015, Version 4.9 |

¹ 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.

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 Using the Simple Order API](#). You can also include fields for card-present transactions. See [Card-Present Processing Using the Simple Order API](#).



Important

Submit ancillary data in a separate request. Do not combine ancillary data and airline data in the same request. When you include ancillary data in a request with airline data, OmniPay Direct ignores the ancillary data.



Note

If you are using the Simple Order API in XML format, you must use version 1.124 or later of the XML schema to implement airline data in capture and credit requests for OmniPay Direct.

Table 35 General Request Fields

| CyberSource Field Name | OmniPay Direct Field Name | Description | Required / Optional ¹ | Data Type & Length ¹ |
|------------------------|---------------------------|---|----------------------------------|---|
| airlineData_agentCode | Travel Agency Code | IATA ² code for the travel agency. | Opt. | String (8) |
| airlineData_agentName | Travel Agency Name | Name of the travel agency that is issuing the ticket. | Opt. | Visa: String (25) Mastercard, Maestro (UK Domestic), and Maestro (International): String (30) Discover and Diners Club: String (32) |

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 96.

² IATA=International Air Transport Association

Table 35 General Request Fields (Continued)

| CyberSource Field Name | OmniPay Direct Field Name | Description | Required / Optional ¹ | Data Type & Length ¹ |
|--------------------------|--|--|---|--|
| airlineData_carrierName | Issuing Carrier | Standard abbreviation for airline that generated the ticket. | Visa: not used Mastercard, Maestro (UK Domestic), and Maestro (International): Req. for reduced interchange; otherwise, opt. Discover and Diners Club: Opt. | Mastercard, Maestro (UK Domestic), and Maestro (International): String (4) Discover and Diners Club: String (3) |
| airlineData_checkDigit | Ticket Check Digit | Check digit for the ticket number. CyberSource recommends that you validate the check digit. With Discover and Diners Club, a valid ticket number has these characteristics: <ul style="list-style-type: none"> ■ The value is numeric. ■ The first three digits are a valid IATA² license plate carrier code. ■ The last digit is a check digit or zero (0). ■ All remaining digits are non-zero. | Discover and Diners Club: Opt. All other card types: not used | String (1) |
| airlineData_customerCode | Customer Code / Booking Reference Number | Reference number or code that identifies the cardholder. | Mastercard, Maestro (UK Domestic), and Maestro (International): Req. for reduced interchange; otherwise, opt. All other card types: Opt. | Discover and Diners Club: String (20) All other card types: String (17) |

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 96.

² IATA=International Air Transport Association

Table 35 General Request Fields (Continued)

| CyberSource Field Name | OmniPay Direct Field Name | Description | Required / Optional ¹ | Data Type & Length ¹ |
|---------------------------------------|-----------------------------|--|---|---|
| airlineData_passengerName | Passenger Name | Passenger's name. Use cardholder name if the passenger name is not available. Do not include special characters such as commas, hyphens, or apostrophes. Only ASCII characters are supported. | Visa: Req. Mastercard, Maestro (UK Domestic), and Maestro (International): Req. for reduced interchange; otherwise, opt. Discover and Diners Club: Opt. | Visa: String (20) Mastercard, Maestro (UK Domestic), and Maestro (International): String (29) Discover and Diners Club: String (42) |
| airlineData_restrictedTicketIndicator | Restricted Ticket Indicator | Flag that indicates whether the ticket is restricted (nonrefundable). Possible values: <ul style="list-style-type: none"> ■ 0: No restriction (refundable) ■ 1: Restricted (nonrefundable) | Visa: Opt. All other card types: not used | String (1) |
| airlineData_ticketNumber | Ticket Number | Ticket number. | Req. | Discover and Diners Club: String (10) All other card types: String (15) |
| airlineData_ticketUpdateIndicator | Ticket Change Indicator | Type of update. Possible values: <ul style="list-style-type: none"> ■ C: Change to the existing ticket. ■ N: New ticket. | Visa: Opt. All other card types: not used | String (1) |

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 96.

² IATA=International Air Transport Association

Table 35 General Request Fields (Continued)

| CyberSource Field Name | OmniPay Direct Field Name | Description | Required / Optional ¹ | Data Type & Length ¹ |
|------------------------------------|----------------------------------|--|--|---------------------------------|
| airlineData_totalFee | Total Fare | Total fee for the ticket. For non-U.S. airline transactions, this value must match the value for the purchaseTotals_grandTotalAmount field. | Mastercard, Maestro (UK Domestic), and Maestro (International): Opt. for U.S. domestic airline transactions; Req. for non-U.S. airline transactions. All other card types: not used | String (12) |
| ccCaptureService_ industryDatatype | No corresponding processor field | Flag that indicates that the transaction includes airline data. This field must be set to airline in order for airline data to be sent to the processor. If this field is not set to airline or is not included in the request, CyberSource does not send airline data to the processor. | Req. 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 airline in order for airline data to be sent to the processor. If this field is not set to airline or is not included in the request, CyberSource does not send airline data to the processor. | Req. for credits | String (7) |

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 96.

² IATA=International Air Transport Association

Table 36 Request Fields for Travel Legs

| CyberSource Field Name | OmniPay Direct Field Name | Description | Required / Optional ¹ | Data Type & Length ¹ |
|-------------------------------|--|---|---|--|
| airlineData_leg_#_arrivalTime | Arrival Time | Time of arrival for this leg of the trip. Format: HHMM | Discover and Diners Club: Opt. All other card types: Not used | String (4) |
| airlineData_leg_#_carrierCode | Carrier Code | IATA ² code for the carrier for this leg of the trip. | Visa: Req. Mastercard, Maestro (UK Domestic), and Maestro (International): Req. for reduced interchange; otherwise, opt. Discover and Diners Club: Opt. | Discover and Diners Club: String (4) All other card types: String (2) |
| airlineData_leg_#_class | Service Class / Service Class Code / Class of Travel | IATA ² code for the class of service for this leg of the trip. | Visa: Req. for reduced interchange; otherwise, opt. Mastercard, Maestro (UK Domestic), and Maestro (International): Required in U.S.; required for reduced interchange in other countries; otherwise, opt. Discover and Diners Club: Opt. | Visa: String (1) Mastercard, Maestro (UK Domestic), and Maestro (International): String (2) Discover and Diners Club: String (1) |

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 96.

2 IATA=International Air Transport Association

3 A miscellaneous airline charge is a charge that is added to the ticket at the time of booking but is not for essential airline travel details such as carrier, destination, or leg. Examples of miscellaneous airline charges are baggage or upgrade. A miscellaneous airline charge must use non-airline codes. Best practice is to use ancillary data fields for miscellaneous airline charges when using a Visa card.

Table 36 Request Fields for Travel Legs (Continued)

| CyberSource Field Name | OmniPay Direct Field Name | Description | Required / Optional ¹ | Data Type & Length ¹ |
|--|---------------------------------|---|---|---------------------------------|
| airlineData_leg_#_ departureDate | Departure Date / Travel Date | Departure date for this leg of the trip. Visa format: MMDDYY Format for all other card types: YYMMDD | Mastercard, Maestro (UK Domestic), and Maestro (International): Req. for reduced interchange; otherwise, opt. All other card types: Opt. | Integer (6) |
| airlineData_leg_#_ departureTime | Departure Time | 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. | Visa: not used All other card types: Opt. | Integer (4) |
| airlineData_leg_#_ departureTimeSegment | Departure Time Segment | AM or PM for the departure time for this leg of the trip. Possible values: <ul style="list-style-type: none"> ■ A: 12:00 midnight to 11:59 a.m. ■ P: 12:00 noon to 11:59 p.m. | Mastercard, Maestro (UK Domestic), and Maestro (International): Opt. All other card types: not used | String (1) |

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 96.

2 IATA=International Air Transport Association

3 A miscellaneous airline charge is a charge that is added to the ticket at the time of booking but is not for essential airline travel details such as carrier, destination, or leg. Examples of miscellaneous airline charges are baggage or upgrade. A miscellaneous airline charge must use non-airline codes. Best practice is to use ancillary data fields for miscellaneous airline charges when using a Visa card.

Table 36 Request Fields for Travel Legs (Continued)

| CyberSource Field Name | OmniPay Direct Field Name | Description | Required / Optional ¹ | Data Type & Length ¹ |
|--------------------------------|--|--|--|--|
| airlineData_leg_#_destination | Destination City / Airport Code / City of Destination / Arrival Airport Code | IATA ² code for the destination airport for this leg of the trip. For a miscellaneous ³ airline charge with Mastercard, set this value to XAA. For a baggage charge with Mastercard, set this value to XAE. | Visa: Req. for reduced interchange; otherwise, opt. Mastercard, Maestro (UK Domestic), and Maestro (International): Req. for reduced interchange; otherwise, opt. Discover and Diners Club: Opt. | Visa: String (3) Mastercard, Maestro (UK Domestic), and Maestro (International): String (5) Discover and Diners Club: String (6) |
| airlineData_leg_#_fare | Fare Amount | Total fare for this leg of the trip. | Discover and Diners Club: Opt. All other card types: Not used | String (15) |
| airlineData_leg_#_fareBasis | Fare Basis / Fare Basis Code | 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. | Opt. | Visa: String (6) All other card types: String (15) |
| airlineData_leg_#_flightNumber | Flight Number | Flight number for this leg of the trip. | Opt. | Discover and Diners Club: String (4) All other card types: String (5) |

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 96.

2 IATA=International Air Transport Association

3 A miscellaneous airline charge is a charge that is added to the ticket at the time of booking but is not for essential airline travel details such as carrier, destination, or leg. Examples of miscellaneous airline charges are baggage or upgrade. A miscellaneous airline charge must use non-airline codes. Best practice is to use ancillary data fields for miscellaneous airline charges when using a Visa card.

Table 36 Request Fields for Travel Legs (Continued)

| CyberSource Field Name | OmniPay Direct Field Name | Description | Required / Optional ¹ | Data Type & Length ¹ |
|--|---|--|---|--|
| airlineData_leg_#_ originatingAirportCode | Origination City / Airport Code / City of Origin / Departure Airport Code | IATA ² code for the originating airport for this leg of the trip. For a miscellaneous ³ airline charge with Mastercard, set this value to XAA. For a baggage charge with Mastercard, set this value to XAE. | Mastercard, Maestro (UK Domestic), and Maestro (International): Req. for reduced interchange; otherwise, opt. All other card types: Opt. | Visa: String (3) Mastercard, Maestro (UK Domestic), and Maestro (International): String (5) Discover and Diners Club: String (6) |
| airlineData_leg_#_ stopoverCode | Stopover Code / Stopover Allowed | Code that indicates whether a stopover is allowed on this leg of the trip. Possible values: <ul style="list-style-type: none"> ■ O (capital letter "O"): Stopover allowed ■ X (capital letter "X"): Stopover not allowed ■ space (default): miscellaneous³ airline charge; valid for Mastercard but not for Visa | Opt. | String (1) |

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 96.

2 IATA=International Air Transport Association

3 A miscellaneous airline charge is a charge that is added to the ticket at the time of booking but is not for essential airline travel details such as carrier, destination, or leg. Examples of miscellaneous airline charges are baggage or upgrade. A miscellaneous airline charge must use non-airline codes. Best practice is to use ancillary data fields for miscellaneous airline charges when using a Visa card.

**Important**

Submit ancillary data in a separate request. Do not combine ancillary data and airline data in the same request. When you include ancillary data in a request with airline data, OmniPay Direct ignores the ancillary data.

Table 37 Ancillary Request Fields

| CyberSource Field Name | OmniPay Direct Field Name | Description | Required / Optional¹ | Data Type & Length¹ |
|---|---|---|--|---|
| ancillaryData_connected TicketNumber | Issued in Connection with Ticket Number | <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 ancillaryData_ticketNumber field.</p> <p>Transaction will be processed as a non-enhanced authorization at standard rates if this field is not included for an ancillary transaction.</p> | <p>Visa: Req. for ancillary purchases</p> <p>All other card types: not used</p> | String (15) |
| ancillaryData_ creditReasonIndicator | Credit Reason Indicator 1 | <p>Reason for the credit. Possible values:</p> <ul style="list-style-type: none"> ■ A: Cancellation of ancillary purchase. ■ B: Cancellation of airline ticket and ancillary purchase. ■ O: Other. | <p>Visa: Opt.</p> <p>All other card types: not used</p> | String (1) |
| ancillaryData_ passengerName | Passenger Name | <p>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.</p> | <p>Visa: Req. for reduced interchange; otherwise, opt.</p> <p>All other card types: not used</p> | 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 96.

Table 37 Ancillary Request Fields (Continued)

| CyberSource Field Name | OmniPay Direct Field Name | Description | Required / Optional ¹ | Data Type & Length ¹ |
|--|------------------------------------|---|--|---------------------------------|
| ancillaryData_service_#_categoryCode | Ancillary Service Category N | Category code for the ancillary service that is provided. See "Ancillary Service Category Codes," page 112. Note # is 0, 1, 2, or 3. | Visa: Req. for ancillary purchases All other card types: not used | String (4) |
| ancillaryData_service_#_subcategoryCode | Ancillary Service Sub-Category N | Subcategory code associated with the ancillary service category. Obtain the codes from the International Air Transport Association (IATA). Note # is 0, 1, 2, or 3. | Visa: Opt. All other card types: not used | String (4) |
| ancillaryData_ticketNumber | Ancillary Ticket / Document Number | Form number assigned by the carrier. | Visa: Req. when the purpose of the ancillary transaction is to obtain airline rates. All other card types: not used | String (15) |
| <p>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 96.</p> | | | | |

Examples

Name-Value Pair Examples

Example 44 Capture Request with Airline Data

```

ccCaptureService_run=true
merchantID=World Wide Travel
merchantReferenceCode=R98TV09EN200W
ccCaptureService_industryDatatype=airline
ccCaptureService_authRequestID=0839543530000172034078
purchaseTotals_currency=EUR
purchaseTotals_grandTotalAmount=204.78
airlineData_agentCode=98222147
airlineData_agentName=Cyber Vacations
airlineData_passengerName=Jane Smith
airlineData_restrictedTicketIndicator=0
airlineData_ticketNumber=02721187251
airlineData_leg_0_departureDate=121516
airlineData_leg_0_departureTime=0931
airlineData_leg_0_departureTimeSegment=A
airlineData_leg_0_carrierCode=AA
airlineData_leg_0_class=H
airlineData_leg_0_destination=CDG
airlineData_leg_0_fareBasis=HL7WNR
airlineData_leg_1_departureDate=122016
airlineData_leg_1_departureTime=1625
airlineData_leg_1_departureTimeSegment=P
airlineData_leg_1_carrierCode=AA
airlineData_leg_1_class=H
airlineData_leg_1_destination=LHR
airlineData_leg_1_fareBasis=HL7WNR

```

Example 45 Capture Reply with Airline Data

```

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

```

Example 46 Capture Request with Ancillary Data

```
ccCaptureService_run=true  
merchantID=World Wide Travel  
merchantReferenceCode=ABCDEFG0123456  
ccCaptureService_industryDatatype=airline  
ccCaptureService_authRequestID=4685801292856003701540  
purchaseTotals_currency=GBP  
purchaseTotals_grandTotalAmount=234.00  
ancillaryData_ticketNumber=BA123456  
ancillaryData_service_0_categoryCode=BF  
ancillaryData_passengerName=Jane Smith  
ancillaryData_creditReasonIndicator=A  
ancillaryData_connectedTicketNumber=BA1234567
```

Example 47 Capture Reply with Ancillary Data

```
requestID=4685801292856003701540  
decision=ACCEPT  
reasonCode=100  
merchantReferenceCode=ABCDEFG0123456  
purchaseTotals_currency=GBP  
ccCaptureReply_reasonCode=100  
ccCaptureReply_amount=234.00  
ccCaptureReply_reconciliationID=5406772989  
ccCaptureReply_enhancedDataEnabled=y
```

XML Examples

Example 48 Capture Request with Airline Data

```

<requestMessage xmlns="urn:schemas-cybersource-com:transaction-data-1.124">
  <merchantID>World Wide Travel</merchantID>
  <merchantReferenceCode>R98TV09EN200W</merchantReferenceCode>
  <ccCaptureService run="true">
    <industryDatatype>airline</industryDatatype>
    <authRequestID>0839543530000172034078</authRequestID>
  </ccCaptureService>
  <purchaseTotals>
    <currency>EUR</currency>
    <grandTotalAmount>204.78</grandTotalAmount>
  </purchaseTotals>
  <airlineData>
    <agentCode>98222147</agentCode>
    <agentName>Cyber Vacations</agentName>
    <passengerName>Jane Smith</passengerName>
    <restrictedTicketIndicator>0</restrictedTicketIndicator>
    <ticketNumber>02721187251</ticketNumber>
    <leg id="0">
      <class>H</class>
      <departureDate>121516</departureDate>
      <departureTime>0931</departureTime>
      <departureTimeSegment>A</departureTimeSegment>
      <carrierCode>AA</carrierCode>
      <destination>CDG</destination>
      <fareBasis>HL7WNR</fareBasis>
    </leg>
    <leg id="1">
      <class>H</class>
      <departureDate>122016</departureDate>
      <departureTime>1625</departureTime>
      <departureTimeSegment>P</departureTimeSegment>
      <carrierCode>AA</carrierCode>
      <destination>LHR</destination>
      <fareBasis>HL7WNR</fareBasis>
    </leg>
  </airlineData>
</requestMessage>

```

Example 49 Capture Reply with Airline Data

```

<c:replyMessage xmlns:c="urn:schemas-cybersource-com:transaction-data-1.124">
  <c:requestID>0305782650000167905080</c:requestID>
  <c:decision>ACCEPT</c:decision>
  <c:reasonCode>100</c:reasonCode>
  <c:merchantReferenceCode>R98TV09EN200W</c:merchantReferenceCode>
  <c:purchaseTotals><c:currency>EUR</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 50 Capture Request with Ancillary Data

```

<requestMessage xmlns="urn:schemas-cybersource-com:transaction-data-1.124">
  <merchantID>World Wide Travel</merchantID>
  <merchantReferenceCode>ABCDEFG0123456</merchantReferenceCode>
  <ccCaptureService run="true">
    <industryDatatype>airline</industryDatatype>
    <authRequestID>4685801292856003701540</authRequestID>
  </ccCaptureService>
  <purchaseTotals>
    <currency>GBP</currency>
    <grandTotalAmount>234.00</grandTotalAmount>
  </purchaseTotals>
  <ancillaryData>
    <ticketNumber>BA123456</ticketNumber>
    <service id="0">
      <categoryCode>BF</categoryCode>
    </service>
    <passengerName>Jane Smith</passengerName>
    <creditReasonIndicator>A</creditReasonIndicator>
    <connectedTicketNumber>BA1234567</connectedTicketNumber>
  </ancillaryData>
</requestMessage>

```

Example 51 Capture Reply with Ancillary Data

```
<c:replyMessage xmlns:c="urn:schemas-cybersource-com:transaction-data-1.124">
  <c:requestID>4685801292856003701540</c:requestID>
  <c:decision>ACCEPT</c:decision>
  <c:reasonCode>100</c:reasonCode>
  <c:merchantReferenceCode>ABCDEFG0123456</c:merchantReferenceCode>
  <c:purchaseTotals><c:currency>GBP</c:currency></c:purchaseTotals>
  <c:ccCaptureReply>
    <c:reasonCode>100</c:reasonCode>
    <c:amount>234.00</c:amount>
    <c:reconciliationID>5406772989</c:reconciliationID>
    <c:enhancedDataEnabled>y</c:enhancedDataEnabled>
  </c:ccCaptureReply>
</c:replyMessage>
```

Ancillary Service Category Codes

Table 38 Ancillary Service Category Codes

| Ancillary Service Category Code | Description |
|--|-------------------------|
| BF | Bundled service |
| BG | Baggage fee |
| CF | Change fee |
| CG | Cargo |
| CO | Carbon offset |
| FF | Frequent flyer |
| GF | Gift card |
| GT | Ground transport |
| IE | In-flight entertainment |
| LG | Lounge |
| MD | Medical |
| ML | Meal or beverage |
| OT | Other |
| PA | Passenger assist fee |
| PT | Pets |
| SA | Seat fees |
| SB | Standby |
| SF | Service fee |
| ST | Store |
| TS | Travel service |
| UN | Unaccompanied travel |
| UP | Upgrades |
| WI | Wi-Fi |

Streamline Airline Data

Airline Data Processing

The following table describes various features for airline data processing with Streamline.

Table 39 Airline Data Processing Features for Streamline

| Feature | Description |
|--|---|
| Supported Card Types | Visa Mastercard Maestro (UK Domestic) Maestro (International) Cartes Bancaires Dankort |
| Travel Legs | Maximum number of travel legs: 4 Numbering for the travel legs: 0 to 3 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. |
| Specification used by CyberSource to implement airline data processing | <i>Direct Communication Supplement v22</i> |

Miscellaneous Charge Orders (MCOs)

An MCO is an airline transaction for a non-ticket purchase, such as an insurance payment or an excess baggage fee. An MCO must be a separate airline transaction; do not include MCO information and flight leg information in the same transaction.

Include the following values in an MCO request:

- `airlineData_leg_0_originatingAirportCode=XAA`
- `airlineData_leg_0_destination=XAO`

Do not include any other fields for travel legs in an MCO request:

- Do not include any other fields for leg 0.
- Do not include any fields for legs 1, 2, or 3.

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 Using the Simple Order API](#).

Table 40 General Request Fields

| CyberSource Field Name | Streamline Field Name | Description | Required / Optional | Data Type & Length |
|--|-----------------------|--|---------------------|--------------------|
| <code>airlineData_agentCode</code> | POS IATA Number | IATA ¹ code for the travel agency. If you do not have an IATA ¹ code, contact CyberSource Customer Support. | Required | Integer (8) |
| <code>airlineData_agentName</code> | POS Name | Name of the travel agency that is issuing the ticket. | Required | String (26) |
| <code>airlineData_passengerName</code> | Passenger Name | Name of the passenger to whom the ticket was issued. Do not include special characters such as commas, hyphens, or apostrophes. Only ASCII characters are supported. | Required | String (25) |

¹ IATA=International Air Transport Association

Table 40 General Request Fields (Continued)

| CyberSource Field Name | Streamline Field Name | Description | Required / Optional | Data Type & Length |
|------------------------------------|----------------------------------|---|-----------------------|--------------------|
| airlineData_ticketNumber | Ticket Number | <p>Ticket number.</p> <p>If the ticket number is numeric, use this format:</p> <ul style="list-style-type: none"> Bits 1-2: Zeros Bits 3-5: IATA¹ number Bits 6-15: Ticket number Bit 16: Check digit <p>If the ticket number is alphanumeric, use this format:</p> <ul style="list-style-type: none"> Bits 1-15: Ticket number, right justified Bit 16: [space] (A space indicates that the bit is reserved.) | Required | String (16) |
| ccCaptureService_ industryDatatype | No corresponding processor field | <p>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.</p> <p>Important 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.</p> | Required for captures | String (7) |
| ccCreditService_ industryDatatype | No corresponding processor field | <p>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.</p> <p>Important 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.</p> | Required for credits | String (7) |

1 IATA=International Air Transport Association

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.

Table 41 Request Fields for Travel Legs

| CyberSource Field Name | Streamline Field Name | Description | Required / Optional | Data Type & Length |
|--|-----------------------|--|--|--------------------|
| airlineData_leg_#_carrierCode | Carrier | IATA ¹ code for the carrier for this leg of the trip. If it is not a flight travel leg, set this field to VO. If you do not have an IATA ¹ code, contact CyberSource Customer Support. | For non-MCO transactions: Required for the first leg; optional for additional legs. For MCO transactions: Do not include this field in the request. | String (2) |
| airlineData_leg_#_class | Class | IATA ¹ code for the class of service for this leg of the trip, such as coach or first class. If it is not a flight travel leg, set this field to S. If you do not have an IATA ¹ code, contact CyberSource Customer Support. | For non-MCO transactions: Required for the first leg; optional for additional legs. For MCO transactions: Do not include this field in the request. | String (1) |
| airlineData_leg_#_destination | Destination | IATA ¹ code for the destination airport for this leg of the trip. If you do not have an IATA ¹ code, contact CyberSource Customer Support. | Required for the first leg; optional for additional legs | String (3) |
| airlineData_leg_#_departureDate | Date of Travel | Departure data for this leg of the trip. Format: DDMMYY. | For non-MCO transactions: Required for the first leg; optional for additional legs. For MCO transactions: Do not include this field in the request. | Integer (6) |
| 1 IATA=International Air Transport Association | | | | |

Table 41 Request Fields for Travel Legs (Continued)

| CyberSource Field Name | Streamline Field Name | Description | Required / Optional | Data Type & Length |
|--|-----------------------|---|--|--------------------|
| airlineData_leg_#_originatingAirportCode | Point of Departure | IATA ¹ code for the originating airport for this leg of the trip. Used only for the first leg. If you do not have an IATA ¹ code, contact CyberSource Customer Support. | Required for the first leg; optional for additional legs | String (3) |

1 IATA=International Air Transport Association

Examples

Example 52 Capture Request Using Name-Value Pairs

```

merchantID=regenttravel
ccCaptureService_run=true
ccCaptureService_industryDatatype=airline
merchantReferenceCode=R98TV09EN200W
ccCaptureService_authRequestID=0839543530000172034078
purchaseTotals_currency=GBP
purchaseTotals_grandTotalAmount=204.78
airlineData_agentCode=98222147
airlineData_agentName=Regent Travel
airlineData_ticketNumber=1234567890123450
airlineData_passengerName=John Smith
airlineData_leg_0_carrierCode=VS
airlineData_leg_0_class=C
airlineData_leg_0_destination=LGW
airlineData_leg_0_departureDate=080812
airlineData_leg_0_originatingAirportCode=GLA
    
```

Example 53 Capture Request Using XML

```
<requestMessage xmlns="urn:schemas-cybersource-com:transaction-data-1.11">
  <merchantID>regenttravel</merchantID>
  <merchantReferenceCode>R98TV09EN200W</merchantReferenceCode>
  <purchaseTotals>
    <currency>GBP</currency>
    <grandTotalAmount>204.78</grandTotalAmount>
  </purchaseTotals>
  <ccCaptureService run="true">
    <authRequestID>0839543530000172034078</authRequestID>
    <industryDatatype>airline</industryDatatype>
  </ccCaptureService>
  <airlineData>
    <agentCode>98222147</agentCode>
    <agentName>Regent Travel</agentName>
    <ticketNumber>1234567890123450</ticketNumber>
    <passengerName>John Smith</passengerName>
    <leg id="0">
      <carrierCode>VS</carrierCode>
      <originatingAirportCode>GLA</originatingAirportCode>
      <class>C</class>
      <departureDate>080812</departureDate>
      <destination>LGW</destination>
    </leg>
  </airlineData>
</requestMessage>
```

TSYS Acquiring Solutions Airline Data

Airline Data Processing

The following table describes various features for airline data processing with TSYS Acquiring Solutions.

Table 42 Airline Data Processing Features for TSYS Acquiring Solutions

| Feature | Description |
|--|---|
| Supported Card Types | American Express in authorization requests Visa in capture and credit requests |
| Travel Legs with American Express ¹ | Maximum number of travel legs: 9 Numbering for the travel legs: 0 to 8 |
| Travel Legs with Visa ¹ | Maximum number of travel legs: 4 Numbering for the travel legs: 0 to 3 |
| Specification used by CyberSource to implement airline data processing | American Express: <i>External Interface Specifications Authorization Record Formats</i> , EIS 1080, version 7.4, January 2007 Visa: <i>TSYS EIS 1081 Specification</i> , version 6.9 |
| <p>¹ 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> | |



Note

CyberSource forwards airline data for Mastercard and Discover to TSYS Acquiring Solutions, but TSYS Acquiring Solutions drops the airline data for these card types when forwarding the settlement information. Therefore, only American Express and Visa transactions qualify for the airline interchange rate.

Multiple Captures

On TSYS Acquiring Solutions, you can request multiple partial captures for one authorization. You must ensure that the total amount for all captures does not exceed the authorized amount. For airline transactions, this functionality is available only with the Visa card type. You must include the following fields in each capture request when you are requesting multiple partial captures for an airline transaction:

- `airlineData_clearingCount`
- `airlineData_clearingSequence`
- `ccCaptureService_sequence`
- `ccCaptureService_totalCount`

For information about `airlineData_clearingCount` and `airlineData_clearingSequence`, see [Table 45, "General Request Fields for Capture and Credit Requests,"](#) on page 123. For information about `ccCaptureService_sequence` and `ccCaptureService_totalCount`, see [Credit Card Services Using the Simple Order API](#).

Request Fields for Authorization Requests

The tables in this section describe the airline request fields to use with an authorization request.



Important

When you send an authorization request with airline data, you must include the basic fields required for every authorization request. For information about the non-airline-data fields required for authorization requests, see [Credit Card Services Using the Simple Order API](#).

Table 43 General Request Fields for Authorization Requests

| CyberSource Field Name | TSYS Acquiring Solutions Field Name | Description | Required / Optional | Data Type & Length |
|------------------------------------|-------------------------------------|--|-----------------------------|--------------------|
| airlineData_ numberOfPassengers | Number of Passengers | Number of passengers for whom the ticket was issued. | Required | Integer (3) |
| airlineData_ passengerName | Passenger Name | Name of the passenger to whom the ticket was issued. Do not include special characters such as commas, hyphens, or apostrophes. Only ASCII characters are supported. Format: LASTNAME~FIRST~INIT~TITLE where “~” is a space Example FROST~JANE~M~MRS | Required | String (23) |
| airlineData_ ticketNumber | Reservation Code | Reservation code. This value is a precursor to the ticket number and corresponds to the airline ticket purchase reservation. | Required | String (15) |
| ccAuthService_ 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. Important 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. | Required for authorizations | String (7) |

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.

Table 44 Travel Leg Request Fields for Authorization Requests

| CyberSource Field Name | TSYS Acquiring Solutions Field Name | Description | Required / Optional | Data Type & Length |
|--|--|---|----------------------------|-------------------------------|
| airlineData_leg_#_carrierCode | Airline Carriers | IATA ¹ code for the carrier for this leg of the trip. | Required for each leg | String (2) |
| airlineData_leg_#_departureDate | Departure Date | Departure date for the first leg of the trip. Format: YYYYMMDD. | Required | Integer (8) |
| airlineData_leg_#_destination | Destination and Routing Cities | IATA ¹ code for the destination airport for this leg of the trip. | Required for each leg | String (5) |
| airlineData_leg_#_fareBasis | Fare Basis | Code for the fare basis for the first 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. | Required | String (24) |
| airlineData_leg_#_originatingAirportCode | Origin | IATA ¹ code for the originating airport for the first leg of the trip. | Required | String (5) |
| 1 IATA=International Air Transport Association | | | | |

Request Fields for Capture and Credit Requests

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 Using the Simple Order API](#).

Table 45 General Request Fields for Capture and Credit Requests

| CyberSource Field Name | TSYS Acquiring Solutions Field Name | Description | Required / Optional | Data Type & Length |
|------------------------------|-------------------------------------|---|--|--------------------|
| airlineData_clearingCount | Multiple Clearing Sequence Count | Capture number when requesting multiple partial captures for one authorization. Used along with airlineData_clearingSequence to keep track of which capture is being processed. For example, the second of five captures would be passed to CyberSource as airlineData_clearingSequence = 2 and airlineData_clearingCount = 5 . | Required for multiple captures. Otherwise, not used. | Integer (2) |
| airlineData_clearingSequence | Multiple Clearing Sequence Number | Total number of captures when requesting multiple partial captures for one authorization. Used along with airlineData_clearingCount to keep track of which capture is being processed. For example, the second of five captures would be passed to CyberSource as airlineData_clearingSequence = 2 and airlineData_clearingCount = 5 . | Required for multiple captures. Otherwise, not used. | Integer (2) |

Table 45 General Request Fields for Capture and Credit Requests (Continued)

| CyberSource Field Name | TSYS Acquiring Solutions Field Name | Description | Required / Optional | Data Type & Length |
|---|-------------------------------------|--|-----------------------|--------------------|
| airlineData_ passengerName | Passenger Name | Name of the passenger to whom the ticket was issued. Do not include special characters such as commas, hyphens, or apostrophes. Only ASCII characters are supported. | Required | String (20) |
| airlineData_ restrictedTicketIndicator | Restricted Ticket Indicator | Flag that indicates whether or not the ticket is restricted (nonrefundable). Possible values: <ul style="list-style-type: none"> ■ 0 : No restriction (refundable) ■ 1 : Restricted (nonrefundable) | Required | String (1) |
| airlineData_ ticketNumber | Ticket Number | Three-character carrier code (the ARC/TWA accounting code) followed by the 10-character ticket identifier. | Required | String (13) |
| 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. Important 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. | 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. Important 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. | Required for credits | String (7) |

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.

Table 46 Travel Leg Request Fields for Capture and Credit Requests

| CyberSource Field Name | TSYS Acquiring Solutions Field Name | Description | Required / Optional | Data Type & Length |
|--|-------------------------------------|--|--|--------------------|
| airlineData_leg_#_carrierCode | Carrier Code Abbreviation | IATA ¹ code for the carrier for this leg of the trip. | Required only for the first leg | String (2) |
| airlineData_leg_#_class | Service Class | IATA ¹ code for the class of service for this leg of the trip, such as coach or first class. | Required only for the first leg | String (1) |
| airlineData_leg_#_departureDate | Departure Date | Departure date for this leg of the trip. The format is YYYYMMDD. | Optional | Integer (8) |
| airlineData_leg_#_destination | Destination City/Airport Code | IATA ¹ code for the destination airport for this leg of the trip. | Required for the first leg; optional for additional legs | String (3) |
| airlineData_leg_#_originatingAirportCode | Origination City/Airport Code | IATA ¹ code for the originating airport for this leg of the trip. | Required for the first leg; optional for additional legs | String (3) |
| airlineData_leg_#_stopoverCode | Stop-over Code | Code that indicates whether a stopover is allowed on this leg of the trip. Possible values: <ul style="list-style-type: none"> ■ O (capital letter "O") (default): Stopover allowed ■ X (capital letter "X"): Stopover not allowed | Required for the first leg; optional for additional legs | String (1) |

1 IATA=International Air Transport Association

Examples

Name-Value Pair Examples

Example 54 Authorization Request

```

ccAuthService_run=true
merchantID=okgo
merchantReferenceCode=R98TV09EN200W
ccAuthService_industryDatatype=airline
billTo_firstName=Jane
billTo_lastName=Smith
billTo_street1=1295 Charleston Rd.
billTo_city=Mountain View
billTo_state=CA
billTo_postalCode=94043
billTo_country=US
billTo_phoneNumber=650-965-6000
billTo_email=jsmith@example.com
card_accountNumber=4111111111111111
card_cardType=Visa
card_expirationMonth=09
card_expirationYear=2011
purchaseTotals_currency=USD
purchaseTotals_grandTotalAmount=204.78
airlineData_numberOfPassengers=1
airlineData_passengerName=Jane Smith
airlineData_ticketNumber=02721187251
airlineData_leg_0_carrierCode=AA
airlineData_leg_0_departureDate=20070711
airlineData_leg_0_originatingAirportCode=SJC
airlineData_leg_0_destination=SEA
airlineData_leg_0_fareBasis=HL7WNR
airlineData_leg_1_carrierCode=AA
airlineData_leg_1_destination=SJC

```

Example 55 Authorization Reply

```

requestID=0305782650000167905080
decision=ACCEPT
reasonCode=100
merchantReferenceCode=R98TV09EN200W
purchaseTotals_currency=USD
ccAuthReply_reasonCode=100
ccAuthReply_amount=204.78
ccAuthReply_authorizationCode=123456
ccAuthReply_avsCode=Y
ccAuthReply_processorResponse=A
ccAuthReply_enhancedDataEnabled=y

```

Example 56 Capture Request

```
ccCaptureService_run=true
merchantID=okgo
merchantReferenceCode=R98TV09EN200W
ccCaptureService_industryDatatype=airline
ccCaptureService_authRequestID=0839543530000172034078
purchaseTotals_currency=USD
purchaseTotals_grandTotalAmount=204.78
airlineData_passengerName=Johnny Smith
airlineData_restrictedTicketIndicator=1
airlineData_ticketNumber=02721187251
airlineData_leg_0_departureDate=20061215
airlineData_leg_0_originatingAirportCode=SJC
airlineData_leg_0_carrierCode=AA
airlineData_leg_0_destination=SEA
airlineData_leg_0_class=H
airlineData_leg_0_stopoverCode=X
```

Example 57 Capture Reply

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

XML Examples

Example 58 Authorization Request

```

<requestMessage xmlns="urn:schemas-cybersource-com:transaction-data-1.28">
  <merchantID>okgo</merchantID>
  <merchantReferenceCode>R98TV09EN200W</merchantReferenceCode>
  <ccAuthService run="true">
    <industryDatatype>airline</industryDatatype>
  </ccAuthService>
  <billTo>
    <firstName>Jane</firstName>
    <lastName>Smith</lastName>
    <street1>1295 Charleston Rd.</street1>
    <city>Mountain View</city>
    <state>CA</state>
    <postalCode>94043</postalCode>
    <country>US</country>
    <phoneNumber>650-965-6000</phoneNumber>
    <email>jsmith@example.com</email>
  </billTo>
  <card>
    <accountNumber>4111111111111111</accountNumber>
    <cardType>Visa</cardType>
    <expirationMonth>09</expirationMonth>
    <expirationYear>2011</expirationYear>
  </card>
  <purchaseTotals>
    <currency>USD</currency>
    <grandTotalAmount>204.78</grandTotalAmount>
  </purchaseTotals>
  <airlineData>
    <numberOfPassengers>1</numberOfPassengers>
    <passengerName>Jane Smith</passengerName>
    <ticketNumber>02721187251</ticketNumber>
    <leg id="0">
      <carrierCode>AA</carrierCode>
      <departureDate>20070711</departureDate>
      <originatingAirportCode>SJC</originatingAirportCode>
      <destination>SEA</destination>
      <fareBasis>HL7WNR</fareBasis>
    </leg>
    <leg id="1">
      <carrierCode>AA</carrierCode>
      <destination>SJC</destination>
    </leg>
  </airlineData>
</requestMessage>

```

Example 59 Authorization Reply

```

<c:replyMessage xmlns:c="urn:schemas-cybersource-com:transaction-data-1.28">
  <c:requestID>0305782650000167905080</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:ccAuthReply>
    <c:reasonCode>100</c:reasonCode>
    <c:amount>204.78</c:amount>
    <c:authorizationCode>123456</c:authorizationCode>
    <c:avsCode>Y</c:avsCode>
    <c:processorResponse>A</c:processorResponse>
    <c:enhancedDataEnabled>y</c:enhancedDataEnabled>
  </c:ccAuthReply>
</c:replyMessage>

```

Example 60 Capture Request

```

requestMessage xmlns="urn:schemas-cybersource-com:transaction-data-1.23">
  <merchantID>okgo</merchantID>
  <merchantReferenceCode>R98TV09EN200W</merchantReferenceCode>
  <ccCaptureService run="true">
    <industryDatatype>airline</industryDatatype>
    <authRequestID>0839543530000172034078</authRequestID>
  </ccCaptureService>
  <purchaseTotals>
    <currency>USD</currency>
    <grandTotalAmount>204.78</grandTotalAmount>
  </purchaseTotals>
  <airlineData>
    <passengerName>Johnny Smith</passengerName>
    <restrictedTicketNumber>1</restrictedTicketNumber>
    <ticketNumber>02721187251</ticketNumber>
    <leg id="0">
      <departureDate>20061215</departureDate>
      <originatingAirportCode>SJC</originatingAirportCode>
      <carrierCode>AA</carrierCode>
      <destination>SEA</destination>
      <class>H</class>
      <stopoverCode>X</stopoverCode>
    </leg>
  </airlineData>
</requestMessage>

```

Example 61 Capture Reply

```
<c:replyMessage xmlns:c="urn:schemas-cybersource-com:transaction-data-1.23">
  <c:requestID>0305782650000167905080</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>
```

UATP Airline Data

Airline Data Processing

The following table describes various features for airline data processing with UATP.

Table 47 Airline Data Processing Features for UATP

| Feature | Description |
|--|---|
| Supported Card Type | UATP in capture and credit requests |
| Travel Legs | <p>Maximum number of travel legs: 4 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> |
| Specification used by CyberSource to implement airline data processing | UATP's <i>ATCAN Specification</i> , version 2.30 |

Invoice Number

To create the invoice number (INVN), CyberSource does the following:

- 1 Chooses a date to use. If the airline invoice date was sent in the request, CyberSource uses that date. Otherwise, CyberSource uses the creation date, which is the date the batch file was generated. The field name for the airline invoice date is **airlineData_invoiceDate**.

Concatenates the following 14 characters:

| 3 characters | 2 characters | 3 characters | 4 characters | 2 characters |
|--------------|---|--|---|--------------|
| Airline code | Year from the chosen date; example: 06 for 2006 | Day of year from the chosen date; example: 000 for January 1 | Acquirer: the left-most 4 digits of the card number | Spaces |

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 Using the Simple Order API](#).

Table 48 General Request Fields

| CyberSource Field Name | UATP Field Name | Description | Required / Optional | Data Type & Length |
|-----------------------------------|-------------------------------|---|-----------------------|--------------------|
| airlineData_invoiceDate | Invoice Date (INVD) | Invoice date. The format is YYYYMMDD. If this value is included in the request, it is used in the creation of the invoice number. See "Invoice Number," page 131 . | Optional | Integer (8) |
| airlineData_passengerName | Passenger Name (PXNM) | Name of the passenger to whom the ticket was issued. Do not include special characters such as commas, hyphens, or apostrophes. Only ASCII characters are supported. | Required | String (49) |
| ccCaptureService_reconciliationID | Ticket/Document Number (TDNR) | Reference number or identifier for the ticket. Use this field only with captures. You must include this number because CyberSource does not generate it. This value must consist of 15 alphanumeric characters. The first 3 digits must be the airline code. The rest of the value can contain the booking reference or a unique numbering sequence followed by underscore padding. This value must be padded out to 15 characters using the underscore () character. | Required for captures | String (15) |

Table 48 General Request Fields (Continued)

| CyberSource Field Name | UATP Field Name | Description | Required / Optional | Data Type & Length |
|----------------------------------|-------------------------------|--|----------------------------|-------------------------------|
| ccCreditService_reconciliationID | Ticket/Document Number (TDNR) | Reference number or identifier for the ticket. Use this field only with credits. You must include this number because CyberSource does not generate it. This value must consist of 15 alphanumeric characters. The first 3 digits must be the airline code. The rest of the value can contain the booking reference or a unique numbering sequence followed by underscore padding. This value must be padded out to 15 characters using the underscore () character. | Required for credits | String (15) |

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.

Table 49 Request Fields for Travel Legs

| CyberSource Field Name | UATP Field Name | Description | Required / Optional | Data Type & Length |
|---------------------------------|--------------------------------------|--|----------------------------|-------------------------------|
| airlineData_leg_#_carrierCode | Carrier (CARR) | IATA ¹ code for the carrier for this leg of the trip. | Optional | String (4) |
| airlineData_leg_#_departureDate | Flight Date (FTDA) | Departure date for the first leg of the trip. The format is YYYYMMDD. | Optional | Integer (8) |
| airlineData_leg_#_destination | Destination Airport/City Code (DSTC) | IATA ¹ code for the destination airport for this leg of the trip. | Optional | String (5) |
| airlineData_leg_#_fareBasis | Fare Basis/Ticket Designator (FBTD) | 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. | Optional | String (15) |

¹ IATA=International Air Transport Association

Table 49 Request Fields for Travel Legs (Continued)

| CyberSource Field Name | UATP Field Name | Description | Required / Optional | Data Type & Length |
|--|---------------------------------|--|---------------------|--------------------|
| airlineData_leg_#_originatingAirportCode | Origin Airport/City Code (ORAC) | IATA ¹ code for the originating airport for this leg of the trip. | Optional | String (5) |
| airlineData_leg_#_stopoverCode | Stopover Code (STPO) | Code that indicates whether a stopover is allowed on this leg of the trip. Possible values: <ul style="list-style-type: none"> ■ O (capital letter "O") (default): Stopover allowed ■ X (capital letter "X"): Stopover not allowed | Optional | String (1) |

¹ IATA=International Air Transport Association

Examples

Name-Value Pair Examples

Example 62 Capture Request

```

ccCaptureService_run=true
merchantID=okgo
merchantReferenceCode=R98TV09EN200W
ccCaptureService_authRequestID=0839543530000172034078
ccCaptureService_reconciliationID=98R33X7
purchaseTotals_currency=USD
purchaseTotals_grandTotalAmount=204.78
airlineData_passengerName=Johnny Smith
airlineData_leg_0_carrierCode=AA
airlineData_leg_0_departureDate=20061215
airlineData_leg_0_originatingAirportCode=SJC
airlineData_leg_0_destination=SEA
airlineData_leg_1_carrierCode=AA
airlineData_leg_1_destination=SJC

```

Example 63 Capture Reply

```

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

```

XML Examples

Example 64 Capture Request

```

<requestMessage xmlns="urn:schemas-cybersource-com:transaction-data-1.23">
  <merchantID>okgo</merchantID>
  <merchantReferenceCode>R98TV09EN200W</merchantReferenceCode>
  <ccCaptureService run="true">
    <authRequestID>0839543530000172034078</authRequestID>
    <reconciliationID>98R33X7</reconciliationID>
  </ccCaptureService>
  <purchaseTotals>
    <currency>USD</currency>
    <grandTotalAmount>204.78</grandTotalAmount>
  </purchaseTotals>
  <airlineData>
    <passengerName>Johnny Smith</passengerName>
    <leg id="0">
      <carrierCode>AA</carrierCode>
      <departureDate>20061215</departureDate>
      <originatingAirportCode>SJC</originatingAirportCode>
      <destination>SEA</destination>
    </leg>
    <leg id="1">
      <carrierCode>AA</carrierCode>
      <destination>SJC</destination>
    </leg>
  </airlineData>
</requestMessage>

```

Example 65 Capture Reply

```

<c:replyMessage xmlns:c="urn:schemas-cybersource-com:transaction-data-1.23">
  <c:requestID>0305782650000167905080</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 50 Airline Document Type Codes

| Code | Description |
|-------------|--|
| 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 50 Airline Document Type Codes (Continued)

| Code | Description |
|-------------|---|
| 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 50 Airline Document Type Codes (Continued)

| Code | Description |
|-------------|---|
| 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 |