

# **Airline Processing Using the Simple Order API**

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

April 2019

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

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# Recent Revisions to This Document

Release	Changes
April 2019	<p>Added support for Getnet. See <a href="#">Chapter 10, "Getnet Airline Data," on page 94.</a></p> <p>CyberSource through VisaNet: added the <b>invoiceHeader_merchantDescriptor</b> field. See <a href="#">"Request Fields," page 55,</a> and <a href="#">"Examples," page 67.</a></p>
September 2018	<p>CyberSource through VisaNet: added the following acquirers. See <a href="#">Chapter 6, "CyberSource through VisaNet Airline Data," on page 52.</a></p> <ul style="list-style-type: none"> <li>■ Banco Safra</li> <li>■ BC Card Co., Ltd.</li> <li>■ Vietnam Technological and Commercial Joint-stock Bank</li> </ul> <p>Streamline: changed the name of <i>Carte Bleue</i> to <i>Cartes Bancaires</i>.</p>
August 2018	CyberSource through VisaNet: made technical corrections and improvements to the XML examples.
June 2018	Added new chapter for Elavon Americas. See <a href="#">Chapter 8, "Elavon Americas Airline Data," on page 78.</a>
January 2018	OmniPay Direct: added support for new acquirer Cardnet International. See <a href="#">Chapter 12, "OmniPay Direct Airline Data," on page 103.</a>
December 2017	This revision contains only editorial changes and no technical updates.
September 2017	This revision contains only editorial changes and no technical updates.

# About This Guide

## Audience and Purpose

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

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

## Conventions

The following special statements are used in this document:



**Note**

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



**Important**

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

The following text conventions are used in this document:

**Table 1 Text Conventions**

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



## Related Documentation

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- *Getting Started with CyberSource Advanced for the Simple Order API* ([PDF](#) | [HTML](#)) describes how to get started using the Simple Order API.
- *Credit Card Services 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](http://www.cybersource.com/support_center/support_documentation)

## Customer Support

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

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

# Working with Airline Data

This addendum to [Credit Card Services 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)**

<b>Processor</b>	<b>Card Types Supported in Authorizations</b>	<b>Card Types Supported in Captures and Credits</b>
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
Elavon Americas	Visa Mastercard American Express JCB Diners Discover China UnionPay	Visa Mastercard American Express JCB Diners Discover China UnionPay
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) <b>Note</b> 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 SOAP, the client contains a corresponding `Item` class.

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

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



#### Important

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

## Requesting 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

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### Important

To send airline data, the industry data type field must be set to `airline`. If this field is not set to `airline` or is not included in the request, no airline data is sent to the processor. 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 <sup>1</sup> 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"> <li>■ The value cannot equal zero.</li> <li>■ The first 3 digits must be a valid IATA<sup>1</sup> plate carrier code.</li> <li>■ Use a check digit for the final digit. If you do not use check digits, use a zero for the final digit.</li> <li>■ If possible, validate the check digit before submitting the request.</li> </ul>
If no valid 3-digit IATA <sup>1</sup> plate carrier code is available:	<ul style="list-style-type: none"> <li>■ Use zeros for the first 3 digits.</li> <li>■ 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.</li> <li>■ Use a check digit for the final digit. If you do not use check digits, use a zero for the final digit.</li> </ul>
For credits:	Use the ticket number of the original ticket and not a replacement ticket.
<p><sup>1</sup> 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 <a href="#">"If You Do Not Issue Ticket Numbers,"</a> 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: <i>Excess baggage</i> .	Required if <b>airlineData_transactionType=2</b>	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 <a href="#">"If You Do Not Issue Ticket Numbers," page 18.</a>	Required	String with numbers only (14)
airlineData_transactionType	Airline Charge Type	Type of charge. Possible values: <ul style="list-style-type: none"> <li>■ 01: Charge is for an airline ticket</li> <li>■ 02: Charge is for an item that is not an airline ticket</li> </ul>	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. <b>Important</b> 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. <b>Important</b> 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**

<b>CyberSource Field Name</b>	<b>American Express Brighton Field Name</b>	<b>Description</b>	<b>Required / Optional</b>	<b>Data Type &amp; Length</b>
airlineData_leg_#_carrierCode	Carrier Code	IATA <sup>1</sup> 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 <sup>1</sup> 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 <sup>1</sup> 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 <sup>1</sup> 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  <b>Example</b> 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.  <b>Important</b> 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**

<b>CyberSource Field Name</b>	<b>American Express Direct Field Name</b>	<b>Description</b>	<b>Required / Optional</b>	<b>Data Type &amp; Length</b>
airlineData_leg_#_carrierCode	Airline Data - National - APD (Airline Carriers)	IATA <sup>1</sup> 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 <sup>1</sup> 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 <sup>1</sup> 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 <sup>1</sup> Numeric Code	IATA <sup>1</sup> numeric code for the airline.	Required if you are an IATA <sup>1</sup> member and have been issued this code.	String (8)

<sup>1</sup> 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 <a href="#">Appendix A, "Airline Document Type Codes,"</a> on page 143.	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"> <li>■ Y: Yes</li> <li>■ N: No</li> </ul>	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 <sup>1</sup> 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"> <li>■ EXC: Exchange ticket</li> <li>■ MSC: Miscellaneous (not a ticket purchase and not a transaction related to an exchange ticket)</li> </ul>	Optional	String (3)
airlineData_ticketIssueDate	Ticket Issue Date	Date on which the transaction occurred. Format: YYYYMMDD	Required	Integer (8)

<sup>1</sup> 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 <b>airlineData_ticketNumber</b> field and put the booking reference number in the reconciliation ID field:</p> <ul style="list-style-type: none"> <li>■ <b>ccCaptureService_reconciliationID</b> for a capture request</li> <li>■ <b>ccCreditService_reconciliationID</b> for a credit request</li> </ul> <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><b>Important</b> 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><b>Important</b> 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 <sup>1</sup> 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 <sup>1</sup> 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 <sup>1</sup> 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 <sup>1</sup> 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)

<sup>1</sup> 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 <sup>1</sup> 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"> <li>■ O (capital letter "O"): Stopover allowed</li> <li>■ X (capital letter "X"): Stopover not allowed</li> </ul>	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.  <b>Important</b> 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.  <b>Important</b> 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.  <b>Important</b> 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 <sup>1</sup> 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"> <li>■ 0: No restriction (refundable)</li> <li>■ 1: Restricted (nonrefundable)</li> </ul>	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)

<sup>1</sup> 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. <b>Important</b> 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. <b>Important</b> 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 <sup>1</sup> code for the carrier for this leg of the trip.  Issuing Carrier: IATA <sup>1</sup> 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 <sup>1</sup> 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 <sup>1</sup> 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 <sup>1</sup> 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"> <li>■ O (capital letter "O") (default): Stopover allowed</li> <li>■ X (capital letter "X"): Stopover not allowed</li> </ul> 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 <sup>1</sup>	Data Type & Length <sup>1</sup>
airlineData_agentCode	agencyCode	IATA <sup>2</sup> code for the travel agency. Format: English characters only.	Optional	Restricted String (8) <sup>3</sup>
airlineData_agentName	agencyName	Name of the travel agency that is issuing the ticket. Format: English characters only.	Optional	String (25)
airlineData_arrivalDate	arrivalDate	Date of arrival for the last leg of the trip. Format: MMDDYYYY English characters only.	Optional	String (8)
airlineData_carrierName	carrierName	Airline that generated the ticket. Format: English characters only.	Optional	Discover: String (19)  All other card types: String (25)

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 <sup>1</sup>	Data Type & Length <sup>1</sup>
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"> <li>■ A: Cancellation of the ancillary passenger transport purchase.</li> <li>■ B: Cancellation of the airline ticket and the passenger transport ancillary purchase.</li> <li>■ C: Cancellation of the airline ticket.</li> <li>■ O: Other.</li> <li>■ P: Partial refund of the airline ticket.</li> </ul> Format: English characters only.	Optional	String (1)
airlineData_customerCode	customerCode	Reference number or code that identifies the cardholder.  Format: English characters only.	Optional	Restricted String (25) <sup>3</sup>

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 <sup>1</sup>	Data Type & Length <sup>1</sup>
airlineData_documentType	documentType	Airline document type code that specifies the purpose of the transaction. For the possible values, see <a href="#">Appendix A, "Airline Document Type Codes,"</a> on page 143.  Format: English characters only.	Optional	String (2)
airlineData_electronicTicket	electronicTicket	Flag that indicates whether an electronic ticket was issued. Possible values: <ul style="list-style-type: none"><li>■ Y: Yes</li><li>■ N: No</li></ul> Format: English characters only.	Optional	String (1)
airlineData_exchangeTicketAmount	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 <sup>1</sup>	Data Type & Length <sup>1</sup>
airlineData_purchaseType	ticketType	Type of purchase. Possible values: <ul style="list-style-type: none"> <li>■ EXC: Exchange ticket</li> <li>■ MSC: Miscellaneous (not a ticket purchase and not a transaction related to an exchange ticket)</li> <li>■ REF: Refund</li> <li>■ TKT: Ticket</li> </ul> Format: English characters only.	Optional	String (3)
airlineData_reservationSystem	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) <sup>1</sup>
airlineData_restrictedTicketIndicator	restrictedTicketIndicator	Flag that indicates whether the ticket is restricted (nonrefundable). Possible values: <ul style="list-style-type: none"> <li>■ 0: No restriction (refundable)</li> <li>■ 1: Restricted (nonrefundable)</li> </ul> Format: English characters only.	Optional	Restricted String (1) <sup>3</sup>
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 <sup>1</sup>	Data Type & Length <sup>1</sup>
airlineData_ ticketIssuerCode	issuerCode	IATA <sup>2</sup> airline code. Format: English characters only.	Mastercard: Required  All other card types: Optional	String (4)
airlineData_ticketNumber	ticketNumber	Ticket number. Format: English characters only.	Optional	Restricted String (15) <sup>3</sup>
airlineData_ ticketRestrictionText	ticketRestriction Text	Text that describes the ticket limitations, such as <i>non- refundable</i> . Format: English characters only.	Optional	String (20)
airlineData_ ticketUpdateIndicator	ticketChange Indicator	Type of update. Possible values: <ul style="list-style-type: none"> <li>■ C: Change to the existing ticket.</li> <li>■ N: New ticket.</li> </ul> Format: English characters only.	Optional	String (1)
airlineData_ totalClearingAmount	clearingAmount	Total clearing amount for all transactions in the clearing count set. This value cannot exceed 99999999999999999999 (twenty 9s). Format: English characters only.	Optional	String (20)
airlineData_totalFee	totalFee	Total fee for the ticket. This value cannot exceed 99999999999999999999 (twenty 9s). Format: English characters only.	Optional	String (20)
<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> <p>2 IATA=International Air Transport Association</p> <p>3 See "Special Data Type for CyberSource through VisaNet," page 54.</p>				

Table 19 General Request Fields (Continued)

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

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

<sup>1</sup> Unless otherwise indicated, the information in this column applies to all card types for which airline data is supported as described in "Airline Data Processing," page 54.

Table 20 Ancillary Request Fields (Continued)

CyberSource Field Name	CyberSource through VisaNet Field Name	Description	Required / Optional <sup>1</sup>	Data Type & Length <sup>1</sup>
ancillaryData_passengerName	passengerName	Name of the passenger. If the passenger's name is not available, this value is the cardholder's name. If neither the passenger's name nor the cardholder's name is available, this value is a description of the ancillary purchase.  <b>Important</b> This field is required in the U.S. in order for you to qualify for either the custom payment service (CPS) or the electronic interchange reimbursement fee (EIRF) program.  Format: English characters only.	Optional	String (20)
ancillaryData_service_#_categoryCode	category	Category code for the ancillary service that is provided. Obtain the codes from the International Air Transport Association (IATA).  <b>Note</b> # is either 0, 1, 2, or 3.  <b>Important</b> This field is required in the U.S. in order for you to qualify for either the custom payment service (CPS) or the electronic interchange reimbursement fee (EIRF) program.  Format: English characters only.	Optional	String (4)
ancillaryData_service_#_subcategoryIdCode	subCategory	Subcategory code for the ancillary service category. Obtain the codes from the International Air Transport Association (IATA).  <b>Note</b> # is 0, 1, 2, or 3.  Format: English characters only.	Optional	String (4)
<p><sup>1</sup> Unless otherwise indicated, the information in this column applies to all card types for which airline data is supported as described in "Airline Data Processing," page 54.</p>				

Table 20 Ancillary Request Fields (Continued)

CyberSource Field Name	CyberSource through VisaNet Field Name	Description	Required / Optional <sup>1</sup>	Data Type & Length <sup>1</sup>
ancillaryData_ticketNumber	ticketDocument Number	Ticket number, which consists of the carrier code, form, and serial number, without the check digit.  <b>Important</b> This field is required in the U.S. in order for you to qualify for either the custom payment service (CPS) or the electronic interchange reimbursement fee (EIRF) program.  Format: English characters only.	Optional	String (15)
<p><sup>1</sup> Unless otherwise indicated, the information in this column applies to all card types for which airline data is supported as described in "Airline Data Processing," page 54.</p>				

Table 21 Request Fields for Travel Legs

CyberSource Field Name	CyberSource through VisaNet Field Name	Description	Required / Optional <sup>1</sup>	Data Type & Length <sup>1</sup>
airlineData_leg_#_arrivalTime	arrivalTime	Time of arrival for this leg of the trip. The format is military time and HHMM: If not all zeros, then the hours must be 00-23 and the minutes must be 00-59.  Format: English characters only.	Optional	Integer (4)
airlineData_leg_#_arrivalTimeSegment	arrivalTime Segment	AM or PM for the arrival time for this leg of the trip. Possible values: <ul style="list-style-type: none"> <li>■ A: 12:00 midnight to 11:59 a.m.</li> <li>■ P: 12:00 noon to 11:59 p.m.</li> </ul> Format: English characters only.	Optional	Restricted String (1) <sup>2</sup>
airlineData_leg_#_carrierCode	carrierCode	IATA <sup>3</sup> code for the carrier for this leg of the trip.  Format: English characters only.	Optional	Restricted String (2) <sup>2</sup>
<p><sup>1</sup> Unless otherwise indicated, the information in this column applies to all the card types for which airline data is supported as described in "Airline Data Processing," page 54.</p> <p><sup>2</sup> See "Special Data Type for CyberSource through VisaNet," page 54.</p> <p><sup>3</sup> 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 <sup>1</sup>	Data Type & Length <sup>1</sup>
airlineData_leg_#_class	serviceClass	IATA <sup>3</sup> code for the class of service for this leg of the trip. Format: English characters only.	Optional	Restricted String (1) <sup>2</sup>
airlineData_leg_#_conjunctionTicket	conjunctionTicket	Ticket that contains additional coupons for this leg of the trip on an itinerary that has more than four segments. Format: English characters only.	Optional	Restricted String (25) <sup>2</sup>
airlineData_leg_#_couponNumber	couponNumber	Coupon number. Each leg on the ticket requires a separate coupon, and each coupon is identified by the coupon number. Format: English characters only.	Optional	Restricted String (1) <sup>2</sup>
airlineData_leg_#_departureDate	departureDate	Departure date for this leg of the trip. The format is MMDDYY. Format: English characters only.	Optional	Integer (6)
airlineData_leg_#_departureTime	departureTime	Time of departure for this leg of the trip. The format is military time and HHMM: If not all zeros, then the hours must be 00-23 and the minutes must be 00-59. Format: English characters only.	Optional	Integer (4)
airlineData_leg_#_departureTimeSegment	departureTimeSegment	AM or PM for the departure time for this leg of the trip. Possible values: <ul style="list-style-type: none"> <li>■ A: 12:00 midnight to 11:59 a.m.</li> <li>■ P: 12:00 noon to 11:59 p.m.</li> </ul> Format: English characters only.	Optional	Restricted String (1) <sup>2</sup>
airlineData_leg_#_destination	destination	IATA <sup>3</sup> code for the destination airport for this leg of the trip. Format: English characters only.	Optional	Restricted String (3) <sup>2</sup>

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

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

1 Unless otherwise indicated, the information in this column applies to all the card types for which airline data is supported as described in "Airline Data Processing," page 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 <sup>1</sup>	Data Type & Length <sup>1</sup>
item_#_taxAmount	totalTaxes	Tax portion of the order amount. This value cannot exceed 99999999999999 (fourteen 9s). See " <a href="#">Numbered Elements</a> ," page 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
invoiceHeader_merchantDescriptor=World Wide Travel
purchaseTotals_currency=USD
purchaseTotals_grandTotalAmount=204.78
ccCaptureService_run=true
ccCaptureService_authRequestID=0839543530000172034078
ccCaptureService_industryDatatype=airline
airlineData_agentCode=98222147
airlineData_agentName=Cyber Vacations
airlineData_ticketNumber=02721187251
airlineData_restrictedTicketIndicator=0
airlineData_passengerName=Johnny Smith
airlineData_leg_0_carrierCode=AA
airlineData_leg_0_originatingAirportCode=SJC
airlineData_leg_0_departureDate=121511
airlineData_leg_0_destination=SEA
airlineData_leg_0_fareBasis=HL7WNR
airlineData_leg_0_couponNumber=1
airlineData_leg_0_departureTime=0931
airlineData_leg_0_departureTimeSegment=A
airlineData_leg_0_arrivalTime=1131
airlineData_leg_0_arrivalTimeSegment=A
airlineData_leg_1_carrierCode=AA
airlineData_leg_1_originatingAirportCode=SEA
airlineData_leg_1_departureDate=122011
airlineData_leg_1_destination=SJC
airlineData_leg_1_fareBasis=HL7WNR
airlineData_leg_1_couponNumber=2
airlineData_leg_1_departureTime=1625
airlineData_leg_1_departureTimeSegment=P
airlineData_leg_1_arrivalTime=1837
airlineData_leg_1_arrivalTimeSegment=P

```

---

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

```

---

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

```

---

**Example 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>
  <invoiceHeader>
    <merchantDescriptor>World Wide Travel</merchantDescriptor>
  </invoiceHeader>
  <purchaseTotals>
    <currency>USD</currency>
    <grandTotalAmount>204.78</grandTotalAmount>
  </purchaseTotals>
  <ccCaptureService run="true">
    <authRequestID>0839543530000172034078</authRequestID>
    <industryDatatype>airline</industryDatatype>
  </ccCaptureService>
  <ancillaryData>
    <ticketNumber>123456789123456</ticketNumber>
    <passengerName>Jane Smith</passengerName>
    <connectedTicketNumber>98765432112345</connectedTicketNumber>
    <creditReasonIndicator>A</creditReasonIndicator>
    <service sequenceNumber="0">
      <categoryCode>MEAL</categoryCode>
      <subCategoryCode>SPM</subCategoryCode>
    </service>
    <service sequenceNumber="1">
      <categoryCode>ENTM</categoryCode>
      <subCategoryCode>DTV</subCategoryCode>
    </service>
  </ancillaryData>
</requestMessage>

```

---

**Example 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 <sup>1</sup>	Maximum number of travel legs: 4 Numbering for the travel legs: 0 to 3
Travel Legs with Mastercard <sup>1</sup>	Maximum number of travel legs: 4 Numbering for the travel legs: 0 to 3
Travel Legs with Diners Club <sup>1</sup>	Maximum number of travel legs: 4 Numbering for the travel legs: 0 to 3
Travel Legs with Discover <sup>1</sup>	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
<sup>1</sup> 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 <sup>1</sup> 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"> <li>■ 0 : No restriction (refundable)</li> <li>■ 1 : Restricted (nonrefundable)</li> </ul>	Required	Integer (1)
airlineData_ticketIssuerCode	Airline code	IATA <sup>1</sup> 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)

<sup>1</sup> 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. <b>Important</b> 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. <b>Important</b> 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 <sup>1</sup> 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 <sup>1</sup> 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 <sup>1</sup> 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 <sup>1</sup> 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"> <li>■ 0: Stopover allowed</li> <li>■ 1: Stopover not allowed</li> </ul>	Required for the first leg; optional for additional legs	Integer (1)

<sup>1</sup> 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>

```

---

# Elavon Americas Airline Data

## Airline Data Processing

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

**Table 26** Airline Data Processing Features for Elavon Americas

Feature	Description
Supported Card Types	Visa Mastercard American Express JCB Diners Discover China UnionPay
Travel Legs	Maximum number of travel legs: 1 Numbering for the travel leg: 0 You must include information for the first leg of the trip (leg 0).
Specification used by CyberSource to implement airline data processing	Online specification: <i>Encompass</i> , v4.028-0 Settlement specification: <i>Elavon Clearing Format</i> , v4.34

## Request Fields

The tables in this section describe 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 authorization, capture, or 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 1.146 or later of the XML schema to implement airline data in authorization, capture, and credit requests for CyberSource through VisaNet.

**Table 27 General Request Fields**

CyberSource Field Name	Elavon Americas Field Name	Description	Required / Optional <sup>1</sup>	Data Type & Length <sup>1</sup>
airlineData_arrivalDate	Completion Date	Date of arrival for the last leg of the trip. Format: MMDDYYYY English characters only.	Required Authorization, Capture, and Credit.	Integer (8)
airlineData_invoiceNumber	Merchant Reference Number	Invoice number for the airline transaction.	Required for Capture and Credit.	String (25)
airlineData_ticketNumber	Purchase Identifier	Ticket number. Format: English characters only.	Required for Capture and Credit.	String (12)

<sup>1</sup> Unless otherwise indicated, the information in this column applies to all card types for which airline data is supported as described in "Airline Data Processing," page 78.

**Table 28 Request Fields for Travel Legs**

CyberSource Field Name	Elavon Americas Field Name	Description	Required / Optional <sup>1</sup>	Data Type & Length <sup>1</sup>
airlineData_leg_#_ departureDate	Departure Date	Departure date for the first leg of the trip. The format is MMDDYYYY. Supported only for the first leg. Format: English characters only.	Required for Authorization, Capture, and Credit.	Integer (8)

<sup>1</sup> Unless otherwise indicated, the information in this column applies to all the card types for which airline data is supported as described in "Airline Data Processing," page 78.

## Examples

---

### Name-Value Pair Examples

#### Example 36 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_arrivalDate=10152018
airlineData_leg_0_departureDate=10152018
item_0_unitPrice=112.34

```

---

#### Example 37 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 38 Capture Request**

---

```
ccCaptureService_run=true  
merchantID=okgo  
merchantReferenceCode=R98TV09EN200W  
ccCaptureService_industryDatatype=airline  
ccCaptureService_authRequestID=0839543530000172034078  
purchaseTotals_currency=USD  
purchaseTotals_grandTotalAmount=204.78  
airlineData_arrivalDate=10152018  
airlineData_invoiceNumber=906372  
airlineData_leg_0_departureDate=10152018  
airlineData_ticketNumber=02721187251
```

---

**Example 39 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 40 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>
    <arrivalDate=10152018</arrivalDate>
    <leg id="0">
      <departureDate>10152018</departureDate>
    </leg>
  </airlineData>
  <item id="0"><unitPrice>112.34</unitPrice></item>
</requestMessage>

```

---

**Example 41 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 42 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>
    <arrivalDate>10152018</arrivalDate>
    <invoiceNumber>906372</invoiceNumber>
    <ticketNumber>02721187251</ticketNumber>
    <leg id="0">
      <departureDate>10152018</departureDate>
    </leg>
  </airlineData>
</requestMessage>

```

---

**Example 43 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>
```

---

# FDC Nashville Global Airline Data

## Airline Data Processing

---

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

**Table 29** 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 30 General Request Fields**

CyberSource Field Name	FDC Nashville Global Field Name	Description	Required / Optional	Data Type & Length
airlineData_agentCode	Travel Agency Code	IATA <sup>1</sup> 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"> <li>■ 0 : No restriction (refundable)</li> <li>■ 1 : Restricted (nonrefundable)</li> </ul>	Required for Visa	Integer (1)

<sup>1</sup> IATA=International Air Transport Association

Table 30 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.  <b>Important</b> 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.  <b>Important</b> 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 31 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"> <li>■ A: 12:00 midnight to 11:59 a.m.</li> <li>■ P: 12:00 noon to 11:59 p.m.</li> </ul>	Required for Mastercard Optional for Visa	String (1)
airlineData_leg_#_carrierCode	Carrier Code and Issuing Carrier	Carrier Code: IATA <sup>1</sup> code for the carrier for this leg of the trip.  Issuing Carrier: IATA <sup>1</sup> 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 <sup>1</sup> 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 31 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"> <li>■ A : 12:00 midnight to 11:59 a.m.</li> <li>■ P : 12:00 noon to 11:59 p.m.</li> </ul>	Required for Mastercard Optional for Visa	String (1)
airlineData_leg_#_destination	City of Destination/ Airport Code	IATA <sup>1</sup> 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. <sup>2</sup>	Optional	String (5)
<p>1 IATA=International Air Transport Association</p> <p>2 For more information, contact your acquirer.</p>				

Table 31 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 <sup>1</sup> 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"> <li>■ O (capital letter "O") (default): Stopover allowed</li> <li>■ X (capital letter "X"): Stopover not allowed</li> </ul> Required for Mastercard Corp T&E rate 3. <sup>2</sup>	Optional	String (1)

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

## Examples

---

### Name-Value Pair Examples

#### Example 44 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 45 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 46 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 47 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 32** 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 33](#), 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 33** General Request Field

Field	Description	Required / Optional <sup>1</sup>	Data Type & Length <sup>1</sup>
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 34** Airline Data Processing Features for Lloyds-OmniPay

Feature	Description
Supported Card Types	Visa Mastercard
Travel Legs with Visa <sup>1</sup>	Maximum number of travel legs: 4 Numbering for the travel legs: 0 to 3
Travel Legs with Mastercard <sup>1</sup>	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><sup>1</sup> 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 35 General Request Fields**

CyberSource Field Name	Lloyds-OmniPay Field Name	Description	Required / Optional	Data Type & Length
airlineData_agentCode	Travel Agency Code	IATA <sup>1</sup> code for the travel agency.	Optional	String (8)
airlineData_agentName	Travel Agency Name	Name of the travel agency that is issuing the ticket.  <b>Note</b> 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.  <b>Note</b> For Visa, if the number of characters exceeds 20, the value is truncated.	Required	Visa: String (20)  Mastercard: String (29)

<sup>1</sup> IATA=International Air Transport Association



Table 35 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"> <li>■ 0 (default): No restriction (refundable)</li> <li>■ 1: Restricted (nonrefundable)</li> </ul>	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.  <b>Important</b> 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.  <b>Important</b> 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 36 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 <sup>1</sup> 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 <sup>1</sup> code for the class of service for this leg of the trip, such as coach or first class.  <b>Note</b> 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 <sup>1</sup> code for the destination airport for this leg of the trip.  <b>Note</b> For Visa, if the number of characters exceeds 3, the value is truncated.	Required	Visa: String (3)  Mastercard: String (5)

<sup>1</sup> IATA=International Air Transport Association

Table 36 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.  <b>Note</b> 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 <sup>1</sup> 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"><li>■ O (capital letter "O") (default): Stopover allowed</li><li>■ X (capital letter "X"): Stopover not allowed</li></ul>	Required	String (1)
1 IATA=International Air Transport Association				

## Examples

---

### Name-Value Pair Examples

#### Example 48 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 49 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 50 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 51 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 37 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 <sup>1</sup>	Maximum number of travel legs: 4 Numbering for the travel legs: 0 to 3
Travel Legs with Mastercard <sup>1</sup>	Maximum number of travel legs: 999 Numbering for the travel legs: 0 to 998
Travel Legs with Discover <sup>1</sup>	Maximum number of travel legs: 999 Numbering for the travel legs: 0 to 998
Travel Legs with Diners Club <sup>1</sup>	Maximum number of travel legs: 999 Numbering for the travel legs: 0 to 998
Travel Legs with Maestro (UK Domestic) and Maestro (International) <sup>1</sup>	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

<sup>1</sup> 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 38 General Request Fields**

CyberSource Field Name	OmniPay Direct Field Name	Description	Required / Optional <sup>1</sup>	Data Type & Length <sup>1</sup>
airlineData_agentCode	Travel Agency Code	IATA <sup>2</sup> 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)

<sup>1</sup> Unless otherwise indicated, the information in this column applies to all card types for which airline data is supported as described in "Airline Data Processing," page 103.

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



Table 38 General Request Fields (Continued)

CyberSource Field Name	OmniPay Direct Field Name	Description	Required / Optional <sup>1</sup>	Data Type & Length <sup>1</sup>
airlineData_carrierName	Issuing Carrier	Standard abbreviation for airline that generated the ticket.	<p>Visa: not used</p> <p>Mastercard, Maestro (UK Domestic), and Maestro (International): Req. for reduced interchange; otherwise, opt.</p> <p>Discover and Diners Club: Opt.</p>	<p>Mastercard, Maestro (UK Domestic), and Maestro (International): String (4)</p> <p>Discover and Diners Club: String (3)</p>
airlineData_checkDigit	Ticket Check Digit	<p>Check digit for the ticket number. CyberSource recommends that you validate the check digit.</p> <p>With Discover and Diners Club, a valid ticket number has these characteristics:</p> <ul style="list-style-type: none"> <li>■ The value is numeric.</li> <li>■ The first three digits are a valid IATA<sup>2</sup> license plate carrier code.</li> <li>■ The last digit is a check digit or zero (0).</li> <li>■ All remaining digits are non-zero.</li> </ul>	<p>Discover and Diners Club: Opt.</p> <p>All other card types: not used</p>	String (1)
airlineData_customerCode	Customer Code / Booking Reference Number	Reference number or code that identifies the cardholder.	<p>Mastercard, Maestro (UK Domestic), and Maestro (International): Req. for reduced interchange; otherwise, opt.</p> <p>All other card types: Opt.</p>	<p>Discover and Diners Club: String (20)</p> <p>All other card types: String (17)</p>

<sup>1</sup> Unless otherwise indicated, the information in this column applies to all card types for which airline data is supported as described in "Airline Data Processing," page 103.

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

Table 38 General Request Fields (Continued)

CyberSource Field Name	OmniPay Direct Field Name	Description	Required / Optional <sup>1</sup>	Data Type & Length <sup>1</sup>
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"> <li>■ 0: No restriction (refundable)</li> <li>■ 1: Restricted (nonrefundable)</li> </ul>	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"> <li>■ C: Change to the existing ticket.</li> <li>■ N: New ticket.</li> </ul>	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 103.

2 IATA=International Air Transport Association

Table 38 General Request Fields (Continued)

CyberSource Field Name	OmniPay Direct Field Name	Description	Required / Optional <sup>1</sup>	Data Type & Length <sup>1</sup>
airlineData_totalFee	Total Fare	Total fee for the ticket. For non-U.S. airline transactions, this value must match the value for the <b>purchaseTotals_grandTotalAmount</b> 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 <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.	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 <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.	Req. for credits	String (7)

<sup>1</sup> Unless otherwise indicated, the information in this column applies to all card types for which airline data is supported as described in "Airline Data Processing," page 103.

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

Table 39 Request Fields for Travel Legs

CyberSource Field Name	OmniPay Direct Field Name	Description	Required / Optional <sup>1</sup>	Data Type & Length <sup>1</sup>
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 <sup>2</sup> 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 <sup>2</sup> 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 103.

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 39 Request Fields for Travel Legs (Continued)

CyberSource Field Name	OmniPay Direct Field Name	Description	Required / Optional <sup>1</sup>	Data Type & Length <sup>1</sup>
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"> <li>■ A: 12:00 midnight to 11:59 a.m.</li> <li>■ P: 12:00 noon to 11:59 p.m.</li> </ul>	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 103.

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 39 Request Fields for Travel Legs (Continued)

CyberSource Field Name	OmniPay Direct Field Name	Description	Required / Optional <sup>1</sup>	Data Type & Length <sup>1</sup>
airlineData_leg_#_destination	Destination City / Airport Code / City of Destination / Arrival Airport Code	IATA <sup>2</sup> code for the destination airport for this leg of the trip.  For a miscellaneous <sup>3</sup> 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 103.

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 39 Request Fields for Travel Legs (Continued)

CyberSource Field Name	OmniPay Direct Field Name	Description	Required / Optional <sup>1</sup>	Data Type & Length <sup>1</sup>
airlineData_leg_#_ originatingAirportCode	Origination City / Airport Code / City of Origin / Departure Airport Code	IATA <sup>2</sup> code for the originating airport for this leg of the trip.  For a miscellaneous <sup>3</sup> 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"> <li>■ O (capital letter "O"): Stopover allowed</li> <li>■ X (capital letter "X"): Stopover not allowed</li> <li>■ space (default): miscellaneous<sup>3</sup> airline charge; valid for Mastercard but not for Visa</li> </ul>	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 103.

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 40 Ancillary Request Fields**

<b>CyberSource Field Name</b>	<b>OmniPay Direct Field Name</b>	<b>Description</b>	<b>Required / Optional<sup>1</sup></b>	<b>Data Type &amp; Length<sup>1</sup></b>
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 <b>ancillaryData_ticketNumber</b> 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"> <li>■ A: Cancellation of ancillary purchase.</li> <li>■ B: Cancellation of airline ticket and ancillary purchase.</li> <li>■ O: Other.</li> </ul>	<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)

<sup>1</sup> Unless otherwise indicated, the information in this column applies to all card types for which airline data is supported as described in "Airline Data Processing," page 103.



Table 40 Ancillary Request Fields (Continued)

CyberSource Field Name	OmniPay Direct Field Name	Description	Required / Optional <sup>1</sup>	Data Type & Length <sup>1</sup>
ancillaryData_service_#_categoryCode	Ancillary Service Category N	Category code for the ancillary service that is provided. See <a href="#">"Ancillary Service Category Codes,"</a> page 119. <b>Note</b> # 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). <b>Note</b> # 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><sup>1</sup> Unless otherwise indicated, the information in this column applies to all card types for which airline data is supported as described in "Airline Data Processing," page 103.</p>				

## Examples

---

### Name-Value Pair Examples

#### Example 52 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 53 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 54 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 55 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 56 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 57 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 58 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 59 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 41 Ancillary Service Category Codes**

<b>Ancillary Service Category Code</b>	<b>Description</b>
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 42** 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 43 General Request Fields**

CyberSource Field Name	Streamline Field Name	Description	Required / Optional	Data Type & Length
airlineData_agentCode	POS IATA Number	IATA <sup>1</sup> code for the travel agency. If you do not have an IATA <sup>1</sup> code, contact CyberSource Customer Support.	Required	Integer (8)
airlineData_agentName	POS Name	Name of the travel agency that is issuing the ticket.	Required	String (26)
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)

<sup>1</sup> IATA=International Air Transport Association

Table 43 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"> <li>Bits 1-2: Zeros</li> <li>Bits 3-5: IATA<sup>1</sup> number</li> <li>Bits 6-15: Ticket number</li> <li>Bit 16: Check digit</li> </ul> <p>If the ticket number is alphanumeric, use this format:</p> <ul style="list-style-type: none"> <li>Bits 1-15: Ticket number, right justified</li> <li>Bit 16: [space] (A space indicates that the bit is reserved.)</li> </ul>	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><b>Important</b> 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><b>Important</b> 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 44 Request Fields for Travel Legs**

CyberSource Field Name	Streamline Field Name	Description	Required / Optional	Data Type & Length
airlineData_leg_#_carrierCode	Carrier	IATA <sup>1</sup> 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 <sup>1</sup> 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 <sup>1</sup> 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 <sup>1</sup> 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 <sup>1</sup> code for the destination airport for this leg of the trip. If you do not have an IATA <sup>1</sup> 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 44 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 <sup>1</sup> code for the originating airport for this leg of the trip. Used only for the first leg. If you do not have an IATA <sup>1</sup> code, contact CyberSource Customer Support.	Required for the first leg; optional for additional legs	String (3)

1 IATA=International Air Transport Association

## Examples

### Example 60 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 61 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 45 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 <sup>1</sup>	Maximum number of travel legs: 9 Numbering for the travel legs: 0 to 8
Travel Legs with Visa <sup>1</sup>	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

<sup>1</sup> 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.



**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 48, "General Request Fields for Capture and Credit Requests,"](#) on page 130. 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 46 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  <b>Example</b> 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.  <b>Important</b> 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 47 Travel Leg Request Fields for Authorization Requests**

<b>CyberSource Field Name</b>	<b>TSYS Acquiring Solutions Field Name</b>	<b>Description</b>	<b>Required / Optional</b>	<b>Data Type &amp; Length</b>
airlineData_leg_#_carrierCode	Airline Carriers	IATA <sup>1</sup> 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 <sup>1</sup> 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 <sup>1</sup> 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 48 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 <b>airlineData_clearingSequence</b> to keep track of which capture is being processed. For example, the second of five captures would be passed to CyberSource as <b>airlineData_clearingSequence = 2</b> and <b>airlineData_clearingCount = 5</b> .	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 <b>airlineData_clearingCount</b> to keep track of which capture is being processed. For example, the second of five captures would be passed to CyberSource as <b>airlineData_clearingSequence = 2</b> and <b>airlineData_clearingCount = 5</b> .	Required for multiple captures. Otherwise, not used.	Integer (2)

Table 48 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"> <li>■ 0 : No restriction (refundable)</li> <li>■ 1 : Restricted (nonrefundable)</li> </ul>	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.  <b>Important</b> 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.  <b>Important</b> 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 49 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 <sup>1</sup> code for the carrier for this leg of the trip.	Required only for the first leg	String (2)
airlineData_leg_#_class	Service Class	IATA <sup>1</sup> 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 <sup>1</sup> 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 <sup>1</sup> 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"> <li>■ O (capital letter "O") (default): Stopover allowed</li> <li>■ X (capital letter "X"): Stopover not allowed</li> </ul>	Required for the first leg; optional for additional legs	String (1)

1 IATA=International Air Transport Association

## Examples

---

### Name-Value Pair Examples

#### Example 62 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 63 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 64 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 65 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 66 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 67 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 68 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 69 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 50** 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 51 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 <a href="#">"Invoice Number," page 138</a> .	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 51 General Request Fields (Continued)**

<b>CyberSource Field Name</b>	<b>UATP Field Name</b>	<b>Description</b>	<b>Required / Optional</b>	<b>Data Type &amp; Length</b>
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 52 Request Fields for Travel Legs**

<b>CyberSource Field Name</b>	<b>UATP Field Name</b>	<b>Description</b>	<b>Required / Optional</b>	<b>Data Type &amp; Length</b>
airlineData_leg_#_carrierCode	Carrier (CARR)	IATA <sup>1</sup> 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 <sup>1</sup> 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)

<sup>1</sup> IATA=International Air Transport Association

Table 52 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 <sup>1</sup> 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"> <li>■ O (capital letter "O") (default): Stopover allowed</li> <li>■ X (capital letter "X"): Stopover not allowed</li> </ul>	Optional	String (1)

---

<sup>1</sup> IATA=International Air Transport Association

## Examples

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### Name-Value Pair Examples

#### Example 70 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 71 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 72 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 73 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 53 Airline Document Type Codes**

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

**Table 53 Airline Document Type Codes (Continued)**

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



**Table 53 Airline Document Type Codes (Continued)**

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