

Airline Processing

Simple Order API



cybersource
A Visa Solution

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Recent Revisions to This Document

Release	Changes
23.01	<p>Updated OmniPay Direct and Lloyds-OmniPay to indicate that IATA airline codes should be used for airlineData_carrierName. See Lloyds-OmniPayRequest Fields (on page 60) and OmniPay Direct Request Fields (on page 69).</p> <p>General document clean-up.</p>
19.02	<p>Removed the chapter for Elavon Americas.</p>
19.01	<p>Added support for Getnet. See Getnet Airline Data (on page 59).</p> <p>Visa Platform Connect: added the merchant_descriptor field.</p>
18.04	<p>Visa Platform Connect: added the following acquirers.</p> <ul style="list-style-type: none">• Banco Safra• BC Card Co., Ltd.• Vietnam Technological and Commercial Joint-stock Bank <p>Streamline: changed the name of <i>Carte Bleue</i> to <i>Cartes Bancaires</i>.</p>
18.03	<p>Visa Platform Connect: made technical corrections and improvements to the XML examples.</p>
18.02	<p>Added new chapter for Elavon Americas. See Elavon Americas Airline Data (on page 43).</p>

About This Guide

This section provides information about the Airline Data Simple Order API 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 response fields to integrate the credit card services into your existing order management system.

Conventions

The following special statements are used in this document:



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

Customer Support

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

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

Working with Airline Data

This addendum to the [Payments Developer Guide](#) describes airline data processing with Cybersource. After this introductory chapter, there is a chapter for each processor that supports airline data processing.

This section describes airline data processing with CyberSource.

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

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

Supported Processors and Card Types

Processor	Card Types Supported in Authorizations	Card Types Supported in Captures and Credits
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
Barclays	None	Visa Mastercard Maestro (UK Domestic)

Supported Processors and Card Types (continued)

Processor	Card Types Supported in Authorizations	Card Types Supported in Captures and Credits
		Maestro (International) Diners Club Discover
Visa Platform Connect	None	Visa Mastercard American Express Discover
Elavon	None	Visa Mastercard Diners Club Discover
FDC Nashville Global	None	Visa Mastercard
Getnet	Visa Mastercard American Express	None
Lloyds-OmniPay	None	Visa Mastercard
OmniPay Direct	None	Visa Mastercard Discover Diners Club Maestro (UK Domestic) Maestro (International) 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.

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 was ignored and was 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 customer support to configure your account for this feature. For details about relaxed requirements, see [Relaxed Requirements for Address Data and Expiration Date in Credit Card Transactions](#).

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.

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 called `item_0`. In this portion of the field name, the underscore before the number does not indicate hierarchy in the XML schema. The item fields are generically referred to as `item_#_<element name>` in the documentation.

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

Numbered XML Schema Element Names and Name-Value Pair Field Names

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



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

Requesting Authorizations with Airline Data



Important: 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:

1. Request a credit card authorization.

Include the following information in the authorization request:

- Airline data: see the section in this document for the processor you are using. Do not include special characters in the airline data. For more information, see "[Special Characters.](#)" (on page 11)
- 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](#).

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.

3. Request a credit card capture.

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

Requesting Captures and Credits with Airline Data



Important: To send airline data, the industry data type field must be set to [airline](#). If this field is not set to [airline](#) or is not included in the request, no airline data is sent to the processor. The only exception is UATP: you do not need to send the industry data type for UATP.

To include airline data in a capture or credit:

1. Authorize a credit card payment.

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.](#)" (on page 11)
- Industry data type field: the field name is **ccCaptureService_industryDatatype**. Set this field to `airline` to indicate that the request includes airline data.

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](#).

For more information, see *Credit Card Services Developer Guide | Simple Order API | Visa Platform Connect*.

- You can optionally include fields for card-present transactions.

For more information, see [Card-Present Processing Using the Simple Order API](#).

For more information, see *Card-Present Processing for Visa Platform Connect Using the Simple Order API*.

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.

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.](#)" (on page 11)
- Industry data type field: the field name is **ccCreditService_industryDatatype**. Set this field to `airline` to indicate that the request includes airline data.

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](#).

For more information, see *Credit Card Services Developer Guide | Simple Order API | Visa Platform Connect*.

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 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.

Airline Data Processing Features for American Express Direct

Feature	Description
Supported Card Type	American Express
Travel Legs	Maximum number of travel legs: 4 Numbering for the travel legs: 0 to 3 Include information for at least the first leg of the trip (leg 0). 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	For authorizations: <i>American Express Global Credit Authorization Guide</i> , ISO 8583:1993 (version 1) dated April 2011 For captures and credits: <i>American Express Global Financial Settlement Guide</i> dated April 2011

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](#).

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 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 airline in order for airline data to be sent to the processor. When this field is not set to airline or is not included in the request, Cybersource does not send airline data to the processor.	Required for authorizations.	String (7)

Include information for at least the first leg of the trip (leg 0). 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.

Travel Leg Request Fields for Authorization Requests

Cybersource Field Name	American Express Direct Field Name	Description	Required / Optional	Data Type & Length
airlineData_leg_#_carrierCode	Airline Data - National - APD (Airline Carriers)	International Air Transport Association (IATA) 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 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 code for the originating airport for the first leg of the trip.	Required	String (5)

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.

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](#).

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.

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.



Important: 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.

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	International Air Transport Association (IATA) Numeric Code	IATA numeric code for the airline.	Required when you are an IATA member and have been issued this code.	String (8)
airlineData_carrierName	Ticketing Carrier Name	Airline carrier that generated the ticket.	Required	String (25)
airlineData_documentType	Document Type	Airline document type code that specifies the purpose of the transaction. For the possible values, see Appendix A, "Airline Document Type Codes." (on page 119)	Required	String (2)

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_electronicTicket	Electronic Ticket Indicator	Flag that indicates whether an electronic ticket was issued. Possible values: <ul style="list-style-type: none"> • Y: Yes • N: No 	Required for ticket purchases and ticket exchanges; otherwise, optional.	String (1)
airlineData_numberOfPassengers	Number In Party	Number of passengers for whom the ticket was issued. When 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 code which is used to process extended payment airline tickets.	Required	String (3)
airlineData_purchaseType	Transaction Type	Type of purchase. Possible values:	Optional	String (3)

General Request Fields for Capture and Credit Requests (continued)

Simple Order API Field	American Express Direct Field Name	Description	Required / Optional	Data Type & Length
		<ul style="list-style-type: none"> • EXC: Exchange ticket • MSC: Miscellaneous (not a ticket purchase and not a transaction related to an exchange ticket) 		
airlineData_ticketIssueDate	Ticket Issue Date	Date on which the transaction occurred. Format: YYYYMMDD	Required	Integer (8)
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>When you need to submit a ticket number and a booking reference number, put the ticket number in this airlineData_ticketNumber field and put the booking reference number in the reconciliation ID field:</p>	Required for ticket purchases and ticket exchanges; otherwise, optional.	String (14)

General Request Fields for Capture and Credit Requests (continued)

Simple Order API Field	American Express Direct Field Name	Description	Required / Optional	Data Type & Length
		<ul style="list-style-type: none"> • ccCaptureService_reconciliationID for a capture request • ccCreditService_reconciliationID for a credit request <p>For information about including a reconciliation ID in a request, contact Cybersource customer support.</p>		
ccCaptureService_industryDatatype	No corresponding processor field	<p>Flag that indicates that the transaction includes airline data. This field must be set to airline in order for airline data to be sent to the processor.</p> <p>When this field is not set to airline 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 airline in order for airline data to be sent to the processor.</p> <p>If this field is not set to airline 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)

Include information for at least the first leg of the trip (leg 0). 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.

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 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 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 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 all currencies, the maximum fare is the equivalent of 99,999.99 USD.	Required	String (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_#_fareBasis	Fare Basis	IATA 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)
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 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	<p>Code that indicates whether a stopover is allowed on this leg of the trip.</p> <p>Possible values:</p> <ul style="list-style-type: none"> • O (capital letter "O"): Stopover allowed • X (capital letter "X"): Stopover not allowed 	Optional	String (1)

Examples

Name-Value Pair Examples

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
```

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
```

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
```

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

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>

```

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>

```

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>
    </leg>
  </airlineData>
</requestMessage>

```

```

    <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>

```

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.

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](#).

General Request Fields

Cybersource Field Name	Description	Required / Optional	Data Type & Length
<code>airlineData_ticketNumber</code>	Ticket number.	Required	String (15)

General Request Fields (continued)

Cybersource Field Name	Description	Required / Optional	Data Type & Length
ccAuthService_industryDatatype	<p>Flag that indicates that the transaction includes airline data. This field must be set to airline in order for airline data to be sent to the processor.</p> <p>When this field is not set to airline or is not included in the request, Cybersource does not send airline data to the processor.</p>	Required for authorizations	String (7)
ccCaptureService_industryDatatype	<p>Flag that indicates that the transaction includes airline data. This field must be set to airline in order for airline data to be sent to the processor.</p> <p>When this field is not set to airline or is not included in the request, Cybersource does not send airline data to the processor.</p>	Required for captures	String (7)
ccCreditService_industryDatatype	<p>Flag that indicates that the transaction includes airline data. This field must be set to airline in order for airline data to be sent to the processor.</p> <p>When this field is not set to airline or is not included in the request, Cybersource does not send airline data to the processor.</p>	Required for credits	String (7)

Examples

Name-Value Pair Examples

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
```

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
```

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
```

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

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>

```

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>

```

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>
</requestMessage>

```

```
</ccCaptureService>
<purchaseTotals>
  <currency>USD</currency>
  <grandTotalAmount>204.78</grandTotalAmount>
</purchaseTotals>
<airlineData>
  <ticketNumber>02721187251</ticketNumber>
</airlineData>
</requestMessage>
```

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.

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](#).

General Request Fields

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

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 airline in order for airline data to be sent to the processor. When this field is not set to airline 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 airline in order for airline data to be sent to the processor. When this field is not set to airline 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. When you skip a number, Cybersource ignores the legs that follow the skipped number.

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: International Air Transport Association (IATA) code for the carrier for this leg of the trip. Issuing Carrier: IATA code for the carrier that issued the entire ticket. There is only one issuing carrier for	Optional	String (2)

Request Fields for Travel Legs (continued)

Cybersource Field Name	Barclays Field Name	Description	Required / Optional	Data Type & Length
		the ticket, not one for each leg. Only the value for leg 0 is used.		
airlineData_leg_#_class	Service Class	IATA code for the class of service for this leg of the trip.	Required for reduced interchange; otherwise, optional	String (1)
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 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)

Request Fields for Travel Legs (continued)

Cybersource Field Name	Barclays Field Name	Description	Required / Optional	Data Type & Length
airlineData_leg_#_originatingAirportCode	City of Origin/ Airport Code	IATA code for the originating airport for this leg of the trip.	Required for the first leg; optional for additional legs	String (5)
airlineData_leg_#_stopoverCode	Stop Over Code	Code that indicates whether a stopover is allowed on this leg of the trip. Possible values: <ul style="list-style-type: none">• O (capital letter "O") (default): Stopover allowed• X (capital letter "X"): Stopover not allowed Required for Mastercard Corp T&E rate 3. For more information, see your acquirer.	Optional	Integer (1)

Examples

Name-Value Pair Examples

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
```

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

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>

```

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>

```

Elavon Airline Data

Airline Data Processing

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

Airline Data Processing Features for Elavon

Feature	Description
Supported Card Types	Visa Mastercard Diners Club Discover
Travel Legs with Visa	Maximum number of travel legs: 4 Numbering for the travel legs: 0 to 3 Include information for at least the first leg of the trip (leg 0). 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.
Travel Legs with Mastercard	Maximum number of travel legs: 4 Numbering for the travel legs: 0 to 3 Include information for at least the first leg of the trip (leg 0). 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.
Travel Legs with Diners Club	Maximum number of travel legs: 4 Numbering for the travel legs: 0 to 3 Include information for at least the first leg of the trip (leg 0). 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.
Travel Legs with Discover	Maximum number of travel legs: 4 Numbering for the travel legs: 0 to 3 Include information for at least the first leg of the trip (leg 0). 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.

Airline Data Processing Features for Elavon (continued)

Feature	Description
Specification used by Cybersource to implement airline data processing	<i>Citibank Global Multi Currency Input Format (GMCIF)</i> , version 1.29

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](#).

General Request Fields

Cybersource Field Name	Elavon Field Name	Description	Required / Optional	Data Type & Length
airlineData_agentCode	Agent Code	International Air Transport Association (IATA) 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)

General Request Fields (continued)

Cybersource Field Name	Elavon Field Name	Description	Required / Optional	Data Type & Length
airlineData_restrictedTicketIndicator	Restricted Ticket	<p>Flag that indicates whether or not the ticket is restricted (nonrefundable).</p> <p>Possible values:</p> <ul style="list-style-type: none"> • 0: No restriction (refundable) • 1: Restricted (nonrefundable) 	Required	Integer (1)
airlineData_ticketIssuerCode	Airline code	IATA 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)
ccCaptureService_industryDatatype	No corresponding processor field	<p>Flag that indicates that the transaction includes airline data. This field must be set to airline in order for airline data to be sent to the processor.</p> <p>When this field is not set to airline 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 airline in order for airline data to be sent to the processor.</p> <p>When this field is not set to airline or is not included in the request,</p>	Required for credits	String (7)

General Request Fields (continued)

Cybersource Field Name	Elavon Field Name	Description	Required / Optional	Data Type & Length
		Cybersource does not send airline data to the processor.		

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 for Travel Legs

Cybersource Field Name	Elavon Field Name	Description	Required / Optional	Data Type & Length
airlineData_leg_#_carrierCode	Segment #	International Air Transport Association (IATA) 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 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)
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 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)

Request Fields for Travel Legs (continued)

Cybersource Field Name	Elavon Field Name	Description	Required / Optional	Data Type & Length
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 code for the originating airport for this leg of the trip.	Required for the first leg; optional for additional legs	String (3)
airlineData_leg_#_stopoverCode	Stop Over Code	Code that indicates whether a stopover is allowed on this leg of the trip. Possible values: <ul style="list-style-type: none">• 0: Stopover allowed• 1: Stopover not allowed	Required for the first leg; optional for additional legs	Integer (1)

Examples

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

```

Capture Request Using XML

```

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

```

```
<class>H</class>
<stopoverCode>1</stopoverCode>
<departureDate>20041020</departureDate>
<destination>SJC</destination>
<fareBasis>HL7WNR</fareBasis>
</leg>
</airlineData>
</requestMessage>
```

FDC Nashville Global Airline Data Processing

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

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](#).

General Request Fields

FDC Nashville Global Field Name	Cybersource Field Name	Description	Required / Optional	Data Type & Length
<code>airlineData_agentCode</code>	Travel Agency Code	International Air Transport Association (IATA) code for the travel	Optional	String (8)

General Request Fields (continued)

FDC Nashville Global Field Name	Cybersourcel Field Name	Description	Required / Optional	Data Type & Length
		agency. For Mastercard, this value cannot be all zeros.		
airlineData_agentName	Travel Agency Name	Name of the travel agency that is issuing the ticket. For Mastercard, this value cannot be all zeros.	Optional	String (25)
airlineData_clearingCount	Clearing Count	Total number of clearing record messages associated with the authorization request. Default is 01.	Optional for Visa Not used for Mastercard	Integer (2)
airlineData_clearingSequence	Clearing Sequence	Number that identifies the clearing record message when multiple clearing record messages are allowed per authorized transaction. Default is 01.	Optional for Visa Not used for Mastercard	Integer (2)
airlineData_customerCode	Customer Code	Code provided by the cardholder.	Optional	String (17)
airlineData_passengerName	Passenger Name	Name of the passenger to whom the ticket was issued. Do not include special characters such as commas, hyphens, or apostrophes. Only ASCII characters are supported.	Required	String (25)
airlineData_restrictedTicketIndicator	Restricted Ticket Indicator	Flag that indicates whether or not the ticket is restricted (nonrefundable). Possible values: <ul style="list-style-type: none"> 0: No restriction (refundable) 1: Restricted (nonrefundable) 	Required for Visa	Integer (1)
airlineData_ticketNumber	Ticket Number	Primary ticket number.	Required	String (15)

General Request Fields (continued)

FDC Nashville Global Field Name	Cybersource Field Name	Description	Required / Optional	Data Type & Length
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)
ccCreditService_industryDatatype	No corresponding processor field	Flag that indicates that the transaction includes airline data. This field must be set to airline in order for airline data to be sent to the processor. When this field is not set to airline 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.

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: the hours must be 00-23 and the minutes must be 00-59 .	Required for Mastercard Optional for Visa	Integer (4)

Request Fields for Travel Legs (continued)

Cybersource Field Name	FDC Nashville Global Field Name	Description	Required / Optional	Data Type & Length
airlineData_leg_#_arrivalTimeSegment	Arrival Time Segment	AM or PM for the arrival time for this leg of the trip. Possible values: <ul style="list-style-type: none"> • A: 12:00 midnight to 11:59 a.m. • P: 12:00 noon to 11:59 p.m. 	Required for Mastercard Optional for Visa	String (1)
airlineData_leg_#_carrierCode	Carrier Code and Issuing Carrier	Carrier Code: IATA code for the carrier for this leg of the trip. Issuing Carrier: IATA 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 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)

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: the hours must be 00-23 and the minutes must be 00-59.	Required for Mastercard Optional for Visa	Integer (4)
airlineData_leg_#_departureTimeSegment	Departure Time Segment	AM or PM for the departure time for this leg of the trip. Possible values: <ul style="list-style-type: none"> • A: 12:00 midnight to 11:59 a.m. • P: 12:00 noon to 11:59 p.m. 	Required for Mastercard Optional for Visa	String (1)
airlineData_leg_#_destination	City of Destination/Airport Code	IATA code for the destination airport for this leg of the trip.	Required	String (5)
airlineData_leg_#_endorsements Restrictions	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)

Request Fields for Travel Legs (continued)

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

Examples

Name-Value Pair Examples

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
```

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

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>083954353000172034078</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>

```

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

This table describes various features for airline data processing with Getnet.

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 [the General Request Table \(on page 59\)](#), 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](#).

General Request Field

Field	Description	Required / Optional	Data Type & Length
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.

Airline Data Processing Features for Lloyds-OmniPay

Feature	Description
Supported Card Types	Visa Mastercard
Travel Legs with Visa	Maximum number of travel legs: 4 Numbering for the travel legs: 0 to 3 Include information for at least the first leg of the trip (leg 0). 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.
Travel Legs with Mastercard	Maximum number of travel legs: 999 Numbering for the travel legs: 0 to 998 Include information for at least the first leg of the trip (leg 0). 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>Lloyds-OmniPay's Airline Addendum Records – Impact to 80 Byte specification, version 1.0, dated February 6, 2006</i>

Lloyds-OmniPayRequest 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](#).

General Request Fields

Cybersource Field Name	Lloyds-OmniPay Field Name	Description	Required / Optional	Data Type & Length
airlineData_agentCode	Travel Agency Code	International Air Transport Association (IATA) code for the travel agency.	Optional	String (8)
airlineData_agentName	Travel Agency Name	Name of the travel agency that is issuing the ticket. 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. Use the IATA two-character airline code.	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. For Visa, if the number of characters exceeds 20, the value is truncated.	Required	Visa: String (20) Mastercard: String (29)

General Request Fields (continued)

Cybersource Field Name	Lloyds-OmniPay Field Name	Description	Required / Optional	Data Type & Length
airlineData_restrictedTicketIndicator	Restricted Ticket Indicator	<p>Flag that indicates whether or not the ticket is restricted (nonrefundable). Possible values:</p> <ul style="list-style-type: none"> • 0 (default): No restriction (refundable) • 1: Restricted (nonrefundable) 	<p>Optional for Visa</p> <p>Not used for Mastercard</p>	String (1)
airlineData_ticketNumber	Ticket Number	Ticket number.	Required	String (15)
ccCaptureService_industryDatatype	No corresponding processor field	<p>Flag that indicates that the transaction includes airline data. This field must be set to airline in order for airline data to be sent to the processor.</p> <p>When this field is not set to airline 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 airline in order for airline data to be sent to the processor.</p> <p>When this field is not set to airline or is not included in the request, Cybersource does not send airline data to the processor.</p>	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.

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 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 code for the class of service for this leg of the trip, such as coach or first class. 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. 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: <ul style="list-style-type: none"> • 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 Destina-	IATA code for the destination airport for this leg of the trip.	Required	Visa: String (3)

Request Fields for Travel Legs (continued)

Cybersource Field Name	Lloyds-OmniPay Field Name	Description	Required / Optional	Data Type & Length
	tion/ Airport Code Visa: Trip Leg <i>n</i> Destination City/Airport Code	For Visa, when the number of characters exceeds 3, the value is truncated.		Mastercard: String (5)
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 might contain spaces. For Visa, when 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 might contain spaces.	Optional	String (5)
airlineData_leg_#_originatingAirportCode	Mastercard: City of Origin/ Airport Code Visa: Origination City/Airport Code	IATA 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)

Request Fields for Travel Legs (continued)

Cybersource Field Name	Lloyds-OmniPay Field Name	Description	Required / Optional	Data Type & Length
airlineData_leg_#_stopoverCode	Mastercard: Stopover Code Visa: Trip Leg <i>n</i> Stopover Code	Code that indicates whether a stopover is allowed on this leg of the trip. Possible values: <ul style="list-style-type: none">• O (capital letter "O") (default): Stopover allowed• X (capital letter "X"): Stopover not allowed	Required	String (1)

Examples

Name-Value Pair Examples

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
```

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

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>
```

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.

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	Maximum number of travel legs: 4 Numbering for the travel legs: 0 to 3 Include information for at least the first leg of the trip (leg 0). 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.
Travel Legs with Mastercard	Maximum number of travel legs: 999 Numbering for the travel legs: 0 to 998 Include information for at least the first leg of the trip (leg 0). 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.
Travel Legs with Discover	Maximum number of travel legs: 999 Numbering for the travel legs: 0 to 998

Airline Data Processing Features for OmniPay Direct (continued)

Feature	Description
	Include information for at least the first leg of the trip (leg 0). 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.
Travel Legs with Diners Club	Maximum number of travel legs: 999 Numbering for the travel legs: 0 to 998 Include information for at least the first leg of the trip (leg 0). 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.
Travel Legs with Maestro (UK Domestic) and Maestro (International)	Maximum number of travel legs: 999 Numbering for the travel legs: 0 to 998 Include information for at least the first leg of the trip (leg 0). 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>OmniPay 80-Byte Electronic File Specifications</i> , Dated September 2015, Version 4.9

OmniPay Direct Request Fields

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

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](#).

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.



Important: 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.

General Request Fields

Cybersource Field Name	OmniPay Direct Field Name	Description	Required / Optional ¹	Data Type & Length ¹
airlineData_agentCode	Travel Agency Code	International Air Transport Association (IATA) code for the travel agency.	Optional	String (8)
airlineData_agentName	Travel Agency Name	Name of the travel agency that is issuing the ticket.	Optional	Visa: String (25) Mastercard, Maestro (UK Domestic), and Maestro (International): String (30) Discover and Diners Club: String (32)
airlineData_carrierName	Issuing Carrier	Standard abbreviation for airline that generated the ticket.	Visa: not used Mastercard, Maestro (UK Domestic), and Maestro (International): Required for reduced interchange; otherwise, optional	Mastercard, Maestro (UK Domestic), and Maestro (International): String (4) Discover and Diners Club: String (3)

General Request Fields (continued)

Cybersource Field Name	OmniPay Direct Field Name	Description	Required / Optional ¹	Data Type & Length ¹
			Discover and Diners Club: Optional	
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"> • The value is numeric. • The first three digits are a valid IATA license plate carrier code. • The last digit is a check digit or zero (0). • All remaining digits are non-zero. 	<p>Discover and Diners Club: Optional</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): Required for reduced interchange; otherwise, opt.</p> <p>All other card types: Optional</p>	<p>Discover and Diners Club: String (20)</p> <p>All other card types: String (17)</p>

General Request Fields (continued)

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

General Request Fields (continued)

Cybersource Field Name	OmniPay Direct Field Name	Description	Required / Optional ¹	Data Type & Length ¹
		<ul style="list-style-type: none"> • C: Change to the existing ticket. • N: New ticket. 	All other card types: not used	
airlineData_totalFee	Total Fare	Total fee for the ticket. For non-U.S. airline transactions, this value must match the value for the purchaseTotals_grandTotalAmount field.	Mastercard, Maestro (UK Domestic), and Maestro (International): Optional for U.S. domestic airline transactions; Required for non-U.S. airline transactions. All other card types: not used	String (12)
ccCaptureService_industryDatatype	No corresponding processor field	Flag that indicates that the transaction includes airline data. This field must be set to airline in order for airline data to be sent to the processor. If this field is not set to airline or is not included in the request, Cybersource does not send airline data to the processor.	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 airline in order for airline data to be sent to the processor. If this field is not set	Required for credits	String (7)

General Request Fields (continued)

Cybersource Field Name	OmniPay Direct Field Name	Description	Required / Optional ¹	Data Type & Length ¹
		to airline or is not included in the request, Cybersource does not send airline data to the processor.		
<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." (on page 68)</p>				

Request Fields for Travel Legs

Cybersource Field Name	OmniPay Direct Field Name	Description	Required / Optional ¹	Data Type & Length ¹
airlineData_leg_#_arrivalTime	Arrival Time	Time of arrival for this leg of the trip. Format: HHMM	Discover and Diners Club: Optional All other card types: Not used	String (4)
airlineData_leg_#_carrierCode	Carrier Code	IATA code for the carrier for this leg of the trip.	Visa: Required Mastercard, Maestro (UK Domestic), and Maestro (International): Required for reduced interchange; otherwise, opt. Discover and Diners Club: Optional	Discover and Diners Club: String (4) All other card types: String (2)

Request Fields for Travel Legs (continued)

Cybersource Field Name	OmniPay Direct Field Name	Description	Required / Optional ¹	Data Type & Length ¹
airlineData_leg_#_class	Service Class / Service Class Code / Class of Travel	IATA code for the class of service for this leg of the trip.	<p>Visa: Required for reduced interchange; otherwise, opt.</p> <p>Mastercard, Maestro (UK Domestic), and Maestro (International): Required in U.S.; required for reduced interchange in other countries; otherwise, opt.</p> <p>Discover and Diners Club: Optional</p>	<p>Visa: String (1)</p> <p>Mastercard, Maestro (UK Domestic), and Maestro (International): String (2)</p> <p>Discover and Diners Club: String (1)</p>
airlineData_leg_#_departureDate	Departure Date / Travel Date	<p>Departure date for this leg of the trip.</p> <p>Visa format: MMDDYY</p> <p>Format for all other card types: YYMMDD</p>	<p>Mastercard, Maestro (UK Domestic), and Maestro (International): Required for reduced interchange; otherwise, opt.</p> <p>All other card types: Optional</p>	Integer (6)

Request Fields for Travel Legs (continued)

Cybersource Field Name	OmniPay Direct Field Name	Description	Required / Optional ¹	Data Type & Length ¹
airlineData_leg_#_departureTime	Departure Time	Time of departure for this leg of the trip. The format is military time and HHMM: the hours must be 00-3 and the minutes must be 00-59.	Visa: not used All other card types: Optional	Integer (4)
airlineData_leg_#_departureTimeSegment	Departure Time Segment	AM or PM for the departure time for this leg of the trip. Possible values: <ul style="list-style-type: none"> • A: 12:00 midnight to 11:59 a.m. • P: 12:00 noon to 11:59 p.m. 	Mastercard, Maestro (UK Domestic), and Maestro (International): Optional All other card types: not used	String (1)
airlineData_leg_#_destination	Destination City / Airport Code / City of Destination / Arrival Airport Code	<p>IATA code for the destination airport for this leg of the trip.</p> <p>For a miscellaneous airline charge with Mastercard, set this value to XAA. For a baggage charge with Mastercard, set this value to XAE.</p> <p>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</p>	<p>Visa: Required for reduced interchange; otherwise, opt.</p> <p>Mastercard, Maestro (UK Domestic), and Maestro (International): Required for reduced interchange; otherwise, opt.</p> <p>Discover and Diners Club: Optional</p>	<p>Visa: String (3)</p> <p>Mastercard, Maestro (UK Domestic), and Maestro (International): String (5)</p> <p>Discover and Diners Club: String (6)</p>

Request Fields for Travel Legs (continued)

Cybersource Field Name	OmniPay Direct Field Name	Description	Required / Optional ¹	Data Type & Length ¹
		miscellaneous airline charges when using a Visa card.		
airlineData_leg_#_fare	Fare Amount	Total fare for this leg of the trip.	Discover and Diners Club: Optional 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.	Optional	Visa: String (6) All other card types: String (15)
airlineData_leg_#_flightNumber	Flight Number	Flight number for this leg of the trip.	Optional	Discover and Diners Club: String (4) All other card types: String (5)
airlineData_leg_#_originatingAirportCode	Origination City / Airport Code / City of Origin / Departure Airport Code	IATA code for the originating airport for this leg of the trip. For a miscellaneous airline charge with Mastercard, set this value to XAA . For a baggage charge with Mastercard, set this value to XAE . A miscellaneous airline charge is a charge that is added to the ticket at the time of booking	Mastercard, Maestro (UK Domestic), and Maestro (International): Required for reduced interchange; otherwise, opt. All other card types: Optional	Visa: String (3) Mastercard, Maestro (UK Domestic), and Maestro (International): String (5) Discover and Diners Club: String (6)

Request Fields for Travel Legs (continued)

Cybersource Field Name	OmniPay Direct Field Name	Description	Required / Optional ¹	Data Type & Length ¹
		<p>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.</p>		
<p>airlineData_leg_#_stopoverCode</p>	<p>Stopover Code / Stopover Allowed</p>	<p>Code that indicates whether a stopover is allowed on this leg of the trip. Possible values:</p> <ul style="list-style-type: none"> • O (capital letter “O”): Stopover allowed • X (capital letter “X”): Stopover not allowed • space (default): miscellaneous airline charge; valid for Mastercard but not for Visa <p>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.</p>	<p>Optional</p>	<p>String (1)</p>

Request Fields for Travel Legs (continued)

Cybersource Field Name	OmniPay Direct Field Name	Description	Required / Optional ¹	Data Type & Length ¹
		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.		
¹ Unless otherwise indicated, the information in this column applies to all the card types that support airline data as described in " Airline Data Processing ." (on page 68)				



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.

Ancillary Request Fields

Cybersource Field Name	OmniPay Direct Field Name	Description	Required / Optional ¹	Data Type & Length ¹
ancillaryData_connectedTicketNumber	Issued in Connection with Ticket Number	<p>Number for the airline ticket to which the ancillary purchase is connected.</p> <p>When this purchase has a connection or relationship to another purchase such as a baggage fee for a passenger transport ticket, this field must contain the ticket number for the other purchase.</p> <p>For a stand-alone purchase, the value for this field must be the same as the value for the ancillaryData_ticketNumber field.</p>	<p>Visa: Required for ancillary purchases</p> <p>All other card types: not used</p>	String (15)

Ancillary Request Fields (continued)

Cybersource Field Name	OmniPay Direct Field Name	Description	Required / Optional ¹	Data Type & Length ¹
		Transaction will be processed as a non-enhanced authorization at standard rates if this field is not included for an ancillary transaction.		
ancillaryData_creditReasonIndicator	Credit Reason Indicator 1	Reason for the credit. Possible values: <ul style="list-style-type: none"> • A: Cancellation of ancillary purchase. • B: Cancellation of airline ticket and ancillary purchase. • 0: Other. 	Visa: Optional All other card types: not used	String (1)
ancillaryData_passengerName	Passenger Name	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.	Visa: Required for reduced interchange; otherwise, optional All other card types: not used	String (20)
ancillaryData_service_#_categoryCode	Ancillary Service Category N	Category code for the ancillary service that is provided. See "Ancillary Service Category Codes." (on page 85) # is 0, 1, 2, or 3.	Visa: Required 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	Visa: Optional All other card types: not used	String (4)

Ancillary Request Fields (continued)

Cybersource Field Name	OmniPay Direct Field Name	Description	Required / Optional ¹	Data Type & Length ¹
		the International Air Transport Association (IATA). # is 0, 1, 2, or 3.		
ancillaryData_ticketNumber	Ancillary Ticket / Document Number	Form number assigned by the carrier.	Visa: Required when the purpose of the ancillary transaction is to obtain airline rates. All other card types: not used	String (15)

¹ Unless otherwise indicated, the information in this column applies to all card types that support airline data as described in "[Airline Data Processing](#)." (on page 68)

Examples

Name-Value Pair Examples

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
```

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

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
```

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

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>
    </leg>
  </airlineData>
</requestMessage>
```

```

        <destination>LHR</destination>
        <fareBasis>HL7WNR</fareBasis>
    </leg>
</airlineData>
</requestMessage>

```

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>

```

Capture Request with Ancillary Data

```

<requestMessage xmlns="urn:schemas-cybersource-com:transaction-data-1.124">
  <merchantID>World Wide Travel</merchantID>
  <merchantReferenceCode>ABCDEFGFG0123456</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>

```

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

Ancillary Service Category Codes

Ancillary Service Category Code	Description
BF	Bundled service
BG	Baggage fee
CF	Change fee
CG	Cargo
CO	Carbon offset
FF	Frequent flyer
GF	Gift card
GT	Ground transport
IE	In-flight entertainment
LG	Lounge
MD	Medical
ML	Meal or beverage
OT	Other
PA	Passenger assist fee
PT	Pets

Ancillary Service Category Codes (continued)

Ancillary Service Category Code	Description
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

This table describes various features for airline data processing with Streamline.

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 Include information for at least the first leg of the trip (leg 0). Use consecutive numbers for the legs; do not skip a number. When 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](#).

General Request Fields

Cybersource Field Name	Streamline Field Name	Description	Required / Optional	Data Type & Length
airlineData_agentCode	POS IATA Number	International Air Transport Association (IATA) code for the travel agency. If you do not have an IATA 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)
airlineData_ticketNumber	Ticket Number	Ticket number. When the ticket number is numeric, use this format:	Required	String (16)

General Request Fields (continued)

Cybersource Field Name	Streamline Field Name	Description	Required / Optional	Data Type & Length
		<ul style="list-style-type: none"> • Bits 1-2: Zeros • Bits 3-5: IATA number • Bits 6-15: Ticket number • Bit 16: Check digit <p>When the ticket number is alphanumeric, use this format:</p> <ul style="list-style-type: none"> • Bits 1-15: Ticket number, right justified • Bit 16: [space] (A space indicates that the bit is reserved.) 		
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>When 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>If this field is not set to <code>airline</code> or is not included in the request,</p>	Required for credits	String (7)

General Request Fields (continued)

Cybersource Field Name	Streamline Field Name	Description	Required / Optional	Data Type & Length
		Cybersource does not send airline data to the processor.		

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 for Travel Legs

Cybersource Field Name	Streamline Field Name	Description	Required / Optional	Data Type & Length
airlineData_leg_#_carrierCode	Carrier	IATA 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 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 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 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)

Request Fields for Travel Legs (continued)

Cybersource Field Name	Streamline Field Name	Description	Required / Optional	Data Type & Length
airlineData_leg_#_destination	Destination	IATA code for the destination airport for this leg of the trip. If you do not have an IATA 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)
airlineData_leg_#_originatingAirportCode	Point of Departure	IATA code for the originating airport for this leg of the trip. Used only for the first leg. If you do not have an IATA code, contact Cybersource customer support.	Required for the first leg; optional for additional legs	String (3)

Examples

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
```

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

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

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	Maximum number of travel legs: 9 Numbering for the travel legs: 0 to 8 Include information for at least the first leg of the trip (leg 0). Use consecutive numbers for the legs; do not skip a number. When you skip a number, Cybersource ignores the legs that follow the skipped number.
Travel Legs with Visa	Maximum number of travel legs: 4 Numbering for the travel legs: 0 to 3 Include information for at least the first leg of the trip (leg 0). Use consecutive numbers for the legs; do not skip a number. When you skip a number, Cybersource ignores the legs that follow the skipped number.
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



Important: 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 47, "General Request Fields for Capture and Credit Requests." \(on page 97\)](#). 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](#).

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	Required	String (23)

General Request Fields for Authorization Requests (continued)

Cybersource Field Name	TSYS Acquiring Solutions Field Name	Description	Required / Optional	Data Type & Length
		<p>as commas, hyphens, or apostrophes. Only ASCII characters are supported.</p> <p>Format: LASTNAME~FIRST~INIT~TITLE where “~” is a space</p> <p>FROST~JANE~M~MRS</p>		
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	<p>Flag that indicates that the transaction includes airline data. This field must be set to airline in order for airline data to be sent to the processor.</p> <p>When this field is not set to airline or is not included in the request, does not send airline data to the processor.</p>	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.

Travel Leg Request Fields for Authorization Requests

Cybersource Field Name	TSYS Acquiring Solutions Field Name	Description	Required / Optional	Data Type & Length
airlineData_leg_#_carrierCode	Airline Carriers	International Air Transport Association (IATA) 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 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 code for the originating airport for the first leg of the trip.	Required	String (5)

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](#).

General Request Fields for Capture and Credit Requests

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

General Request Fields for Capture and Credit Requests (continued)

Cybersource Field Name	TSYS Acquiring Solutions Field Name	Description	Required / Optional	Data Type & Length
airlineData_restrictedTicketIndicator	Restricted Ticket Indicator	Flag that indicates whether or not the ticket is restricted (nonrefundable). Possible values: <ul style="list-style-type: none"> • 0: No restriction (refundable) • 1: Restricted (nonrefundable) 	Required	String (1)
airlineData_ticketNumber	Ticket Number	Three-character carrier code (the ARC/TWA accounting code) followed by the 10-character ticket identifier.	Required	String (13)
ccCaptureService_industryDatatype	No corresponding processor field	Flag that indicates that the transaction includes airline data. This field must be set to airline in order for airline data to be sent to the processor. When this field is not set to airline 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 airline in order for airline data to be sent to the processor. When this field is not set to airline or is not included in the request,	Required for credits	String (7)

General Request Fields for Capture and Credit Requests (continued)

Cybersource Field Name	TSYS Acquiring Solutions Field Name	Description	Required / Optional	Data Type & Length
		Cybersource does not send airline data to the processor.		

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.

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	International Air Transport Association (IATA) code for the carrier for this leg of the trip.	Required only for the first leg	String (2)
airlineData_leg_#_class	Service Class	IATA 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. Code converts the value to TSYS Acquiring Solutions's required format of MMDDYY.	Optional	Integer (8)
airlineData_leg_#_destination	Destination City/Airport Code	IATA 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 code for the originating airport for this leg of the trip.	Required for the first leg; optional for additional legs	String (3)

Travel Leg Request Fields for Capture and Credit Requests (continued)

Cybersource Field Name	TSYS Acquiring Solutions Field Name	Description	Required / Optional	Data Type & Length
airlineData_leg_#_stopoverCode	Stop-over Code	Code that indicates whether a stopover is allowed on this leg of the trip. Possible values: <ul style="list-style-type: none"> • O (capital letter "O") (default): Stopover allowed • X (capital letter "X"): Stopover not allowed 	Required for the first leg; optional for additional legs	String (1)

Examples

Name-Value Pair Examples

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
```

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
```

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
```

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

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>

```

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>

```

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>

```

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.

Airline Data Processing Features for UATP

Feature	Description
Supported Card Type	UATP in capture and credit requests
Travel Legs	Maximum number of travel legs: 4 Numbering for the travel legs: 0 to 3 Include information for at least the first leg of the trip (leg 0). 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	UATP's <i>ATCAN Specification</i> , version 2.30

Invoice Number

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

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 that 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](#).

General Request Fields

Cybersource Field Name	UATP Field Name	Description	Required / Optional	Data Type & Length
airlineData_invoiceDate	Invoice Date (INVD)	Invoice date. The format is YYYYMMDD. If this value is included in the request, it is used in the creation of the invoice number. See " Invoice Number. " (on page 105)	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	Required for captures	String (15)

General Request Fields (continued)

Cybersource Field Name	UATP Field Name	Description	Required / Optional	Data Type & Length
		value must be padded out to 15 characters using the underscore (_) character.		
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.

Request Fields for Travel Legs

Cybersource Field Name	UATP Field Name	Description	Required / Optional	Data Type & Length
airlineData_leg_#_carrierCode	Carrier (CARR)	International Air Transport Association (IATA) 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 code for the destination airport for this leg of the trip.	Optional	String (5)

Request Fields for Travel Legs (continued)

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

Examples

Name-Value Pair Examples

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
```

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

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>

```

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>

```

Visa Platform Connect 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

These Visa Platform Connect 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)
- Raiffeisenbank
- Rosbank
- Taishin Bank Ltd.
- United Overseas Bank (UOB) in Singapore and Vietnam
- United Overseas Bank (UOB) in Thailand
- Vietcombank
- VTB24
- Wing Lung Bank

Airline Data Processing

This table describes various features for airline data processing with Visa Platform Connect.

Airline Data Processing Features for Visa Platform Connect

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

Airline Data Processing Features for Visa Platform Connect (continued)

Feature	Description
	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 Visa Platform Connect

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

Examples

Name-Value Pair Examples

Capture Request with Airline Data

```
merchantID=World Wide Travel
merchantReferenceCode=R98TV09EN200W
purchaseTotals_currency=USD
purchaseTotals_grandTotalAmount=204.78
ccCaptureService_run=true
ccCaptureService_authRequestID=0839543530000172034078
ccCaptureService_industryDatatype=airline
airlineData_agentCode=98222147
airlineData_agentName=Cyber Vacations
airlineData_ticketNumber=02721187251
airlineData_restrictedTicketIndicator=0
airlineData_passengerName=Johnny Smith
airlineData_leg_0_carrierCode=AA
airlineData_leg_0_originatingAirportCode=SJC
airlineData_leg_0_departureDate=121511
airlineData_leg_0_destination=SEA
airlineData_leg_0_fareBasis=HL7WNR
airlineData_leg_0_couponNumber=1
airlineData_leg_0_departureTime=0931
airlineData_leg_0_departureTimeSegment=A
```

```
airlineData_leg_0_arrivalTime=1131
airlineData_leg_0_arrivalTimeSegment=A
airlineData_leg_1_carrierCode=AA
airlineData_leg_1_originatingAirportCode=SEA
airlineData_leg_1_departureDate=122011
airlineData_leg_1_destination=SJC
airlineData_leg_1_fareBasis=HL7WNR
airlineData_leg_1_couponNumber=2
airlineData_leg_1_departureTime=1625
airlineData_leg_1_departureTimeSegment=P
airlineData_leg_1_arrivalTime=1837
airlineData_leg_1_arrivalTimeSegment=P
```

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
```

Capture Request with Ancillary Data

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

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

Capture Request with Airline Data

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

```

    <departureDate>122011</departureDate>
    <destination>SJC</destination>
    <fareBasis>HL7WNR</fareBasis>
    <couponNumber>2</couponNumber>
    <departureTime>1625</departureTime>
    <departureTimeSegment>P</departureTimeSegment>
    <arrivalTime>1837</arrivalTime>
    <arrivalTimeSegment>P</arrivalTimeSegment>
  </leg>
</airlineData>

```

</requestMessage>

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>

Capture Request with Ancillary Data

```

<requestMessage xmlns="urn:schemas-cybersource-com:transaction-data-1.60">
  <merchantID>World Wide Travel</merchantID>
  <merchantReferenceCode>R98TV09EN200W</merchantReferenceCode>
  <purchaseTotals>
    <currency>USD</currency>
    <grandTotalAmount>204.78</grandTotalAmount>
  </purchaseTotals>
  <ccCaptureService run="true">
    <authRequestID>0839543530000172034078</authRequestID>
    <industryDatatype>airline</industryDatatype>
  </ccCaptureService>
  <ancillaryData>

```

```

<ticketNumber>123456789123456</ticketNumber>
<passengerName>Jane Smith</passengerName>
<connectedTicketNumber>98765432112345</connectedTicketNumber>
<creditReasonIndicator>A</creditReasonIndicator>
<service sequenceNumber="0">
  <categoryCode>MEAL</categoryCode>
  <subCategoryCode>SPM</subCategoryCode>
</service>
<service sequenceNumber="1">
  <categoryCode>ENTM</categoryCode>
  <subCategoryCode>DTV</subCategoryCode>
</service>
</ancillaryData>
</requestMessage>

```

Capture Reply with Ancillary Data

```

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

```

Airline Document Type Codes

Airline Document Type Codes

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

Airline Document Type Codes (continued)

Code	Description
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

Airline Document Type Codes (continued)

Code	Description
68	Agent assisted reservation or ticketing fee
69	Ticket change or cancel fee
70	Trip insurance
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