

# Airline Processing Using the SCMP API

Supplement to *Credit Card Services  
Using the SCMP API*

August 2019

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

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# Recent Revisions to This Document

Release	Changes
August 2019	Removed the chapter for Elavon Americas.
April 2019	Added support for Getnet. See <a href="#">Chapter 9, "Getnet Airline Data,"</a> on page 67.  CyberSource through VisaNet: added the <b>merchant_descriptor</b> field. See <a href="#">"Request-Level Fields,"</a> page 43, and <a href="#">"Examples,"</a> page 54.
September 2018	CyberSource through VisaNet: added the following acquirers. See <a href="#">Chapter 6, "CyberSource through VisaNet Airline Data,"</a> on page 40. <ul style="list-style-type: none"> <li>■ Banco Safra</li> <li>■ BC Card Co., Ltd.</li> <li>■ Vietnam Technological and Commercial Joint-stock Bank</li> </ul> Streamline: changed the name of <i>Carte Bleue</i> to <i>Cartes Bancaires</i> .
June 2018	Added new chapter for Elavon Americas. See <a href="#">Chapter 8, "Elavon Americas Airline Data,"</a> on page 78.
January 2018	OmniPay Direct: added support for new acquirer Cardnet International. See <a href="#">Chapter 11, "OmniPay Direct Airline Data,"</a> on page 74.
December 2017	This revision contains only editorial changes and no technical updates.

# About This Guide

## Audience and Purpose

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

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

## Conventions

The following special statements are used in this document:



**Note**

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



**Important**

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

The following text conventions are used in this document:

**Table 1 Text Conventions**

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

## Related Documentation

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- *Getting Started with CyberSource Advanced for the SCMP API* ([PDF](#) | [HTML](#)) describes how to get started using the SCMP API.
- *Credit Card Services Using the SCMP API* ([PDF](#) | [HTML](#)) describes how to integrate CyberSource payment processing services into your business.

Refer to the Support Center for complete CyberSource technical documentation:

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

## Customer Support

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

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



# Working with Airline Data

This addendum to [Credit Card Services Using the SCMP API](#) describes airline data processing with CyberSource. After this introductory chapter, there is a chapter for each processor that supports airline data processing.



**Important**

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



**Note**

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

## Prerequisites

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

## Supported Processors and Card Types

**Table 2 Supported Processors and Card Types**

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

**Table 2 Supported Processors and Card Types (Continued)**

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

## CyberSource Airline Data Processing

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



**Note**

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

- For authorizations, the reply field is **auth\_enhanced\_data\_enabled**.
- For captures, the reply field is **bill\_enhanced\_data\_enabled**.
- For credits, the reply field is **credit\_enhanced\_data\_enabled**.

The possible values for the reply field are:

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

## Relaxed Requirements for Address Data and Expiration Date

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

## Special Characters

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

**Table 3 Special Characters in Names**

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

# Requesting Authorizations with Airline Data

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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.

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## To include airline data in an authorization:

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**Step 1** Request a credit card authorization.

Include the following information in the authorization request:

- Airline data: see the chapter in this document for the processor you are using. Do not include special characters in the airline data. For more information, see "[Special Characters](#)," page 11.
- Industry data type field: the field name is **industry\_datatype**. 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 SCMP API](#).

**Step 2** Check the authorization reply message.

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

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

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

**Step 3** Request a credit card capture.

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

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## Requesting Captures and Credits with Airline Data

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### Important

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

---

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

---

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

**Step 2** Capture the authorization.

Include the following information in the capture request:

- Airline data: see the chapter in this document for the processor you are using. Do not include special characters in the airline data. For more information, see "[Special Characters](#)," page 11.
- Industry data type field: the field name is **industry\_datatype**. Set this field to `airline` to indicate that the request includes airline data.



### Note

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

---

- Basic fields required for every capture request.  
For more information, see [Credit Card Services Using the SCMP API](#).
- On CyberSource through VisaNet you can optionally include fields for card-present transactions.  
For more information, see [Card-Present Processing Using the SCMP API](#).

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

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

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

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

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

Include the following information in the credit request:

- Airline data: see the chapter in this document for the processor you are using. Do not include special characters in the airline data. For more information, see "[Special Characters](#)," page 11.
- Industry data type field: the field name is **industry\_datatype**. Set this field to `airline` to indicate that the request includes airline data.



**Note**

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

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- Basic fields required for every credit request.

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

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

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

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

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

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# American Express Brighton Airline Data

## Airline Data Processing

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

**Table 4** Airline Data Processing Features for American Express Brighton

Feature	Description
Supported Card Type	American Express in capture and credit requests
Travel Legs	Maximum number of travel legs: 4 Numbering for the travel legs: 0 to 3  You must include information for at least the first leg of the trip (leg 0). You must use consecutive numbers for the legs; do not skip a number. If you skip a number, CyberSource ignores the legs that follow the skipped number.
Specification used by CyberSource to implement airline data processing	<i>American Express Guide to Submissions in Amex Standard Format</i> , version 1.5

## If You Do Not Issue Ticket Numbers

---

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

- Set **airline\_ticket\_number** to a value that looks like a valid ticket number.
- Set **airline\_booking\_reference** to the booking reference number.

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

**Table 5 Steps for Creating a Valid Ticket Number**

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



## Request-Level 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 SCMP API](#).

**Table 6 General Request Fields**

CyberSource Field Name	American Express Brighton Field Name	Description	Required / Optional	Data Type & Length
airline_booking_reference	No specific field name for the position in the record	Reference number for the airline booking.	Required if you do not issue ticket numbers. See "If You Do Not Issue Ticket Numbers," page 16.	String (15)
airline_carrier_name	Airline Name	Name of the airline. If you do not include this field, CyberSource uses the value for your merchant name that is in the CyberSource merchant configuration database.	Optional	String (20)
airline_charge_details	Charge Details	Description of the charge if the charge does not involve an airline ticket. For example: <i>Excess baggage</i> .	Required if <b>airlineData_transactionType</b> is 02.	String (20)
airline_customer_code	Ticket Issuer Address	Address of the ticket issuer. The first 13 characters will appear on the cardholder's statement.	Required	String (40)
airline_invoice_number	Airline Invoice Number	Invoice number for the airline transaction.	Required	String with numbers only (6)
airline_passenger_name	Passenger Name	Name of the passenger to whom the ticket was issued. Do not include special characters such as commas, hyphens, or apostrophes. Only ASCII characters are supported.	Required	String (26)

Table 6 General Request Fields (Continued)

CyberSource Field Name	American Express Brighton Field Name	Description	Required / Optional	Data Type & Length
airline_ticket_issuer_name	Ticket Issuer	Name of the ticket issuer. If you do not include this field, CyberSource uses the value for your merchant name that is in the CyberSource merchant configuration database.	Optional	String (20)
airline_ticket_number	Ticket Number	Airline ticket number. If you issue booking reference numbers instead of ticket numbers, see <a href="#">"If You Do Not Issue Ticket Numbers," page 16</a> .	Required	String with numbers only (14)
airline_transaction_type	Airline Charge Type	Type of charge. Possible values: <ul style="list-style-type: none"> <li>■ 01: Charge is for an airline ticket</li> <li>■ 02: Charge is for an item that is not an airline ticket</li> </ul>	Required	String with numbers only (2)
industry_datatype	No corresponding processor field	Flag that indicates that the transaction includes airline data. This field must be set to <code>airline</code> in order for airline data to be sent to the processor. <p><b>Important</b> If this field is not set to <code>airline</code> or is not included in the request, CyberSource does not send airline data to the processor.</p>	Required	String (7)

Table 7 Request Fields for Travel Legs

<b>CyberSource Field Name</b>	<b>American Express Brighton Field Name</b>	<b>Description</b>	<b>Required / Optional</b>	<b>Data Type &amp; Length</b>
airline_leg#_carrier_code	Carrier Code	IATA <sup>1</sup> code for the carrier for this leg of the trip.	Required only for the first leg	String (2)
airline_leg#_class	Airline Class	IATA <sup>1</sup> code for the class of service for this leg of the trip, such as coach or first class.	Required only for the first leg	String (2)
airline_leg#_destination	Arrival Airport	IATA <sup>1</sup> code for the destination airport for this leg of the trip.	Required only for the first leg	String (3)
airline_leg#_originating_airport_code	Departure Airport	IATA <sup>1</sup> code for the originating airport for this leg of the trip.	Required only for the first leg	String (3)

1 IATA=International Air Transport Association

## Examples

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### Example 1 Capture Request

---

```
ics_applications=ics_bill
merchant_id=okgo
merchant_ref_number=R98TV09EN200W
industry_datatype=airline
auth_request_id=0839543530000172034078
currency=USD
grand_total_amount=204.78
airline_customer_code=New York NY
airline_invoice_number=906372
airline_passenger_name=Jane Smith
airline_ticket_issuer_name=Cyber Vacations
airline_ticket_number=02721187251
airline_transaction_type=01
airline_leg0_carrier_code=AA
airline_leg0_class=H
airline_leg0_originating_airport_code=SJC
airline_leg0_destination=SEA
airline_leg1_originating_airport_code=SEA
airline_leg1_destination=SJC
```

---

### Example 2 Capture Reply

---

```
request_id=0305782650000167905080
ics_rcode=1
ics_rflag=SOK
ics_rmsg=Request was processed successfully.
merchant_ref_number=R98TV09EN200W
currency=USD
bill_rcode=1
bill_rflag=SOK
bill_rmsg=Request was processed successfully.
bill_bill_amount=204.78
bill_trans_ref_no=1094820975023470
bill_enhanced_data_enabled=y
```

---

# American Express Direct Airline Data



**Important**

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

## Airline Data Processing

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

**Table 8 Airline Data Processing Features for American Express Direct**

Feature	Description
Supported Card Type	American Express
Travel Legs	<p>Maximum number of travel legs: 4 Numbering for the travel legs: 0 to 3</p> <p>You must include information for at least the first leg of the trip (leg 0). You must use consecutive numbers for the legs; do not skip a number. If you skip a number, CyberSource ignores the legs that follow the skipped number.</p>
Specification used by CyberSource to implement airline data processing	<p>For authorizations: <i>American Express Global Credit Authorization Guide</i>, ISO 8583:1993 (version 1) dated April 2011</p> <p>For captures and credits: <i>American Express Global Financial Settlement Guide</i> dated April 2011</p>

## Request-Level 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 SCMP API](#).

**Table 9 General Request Fields for Authorization Requests**

CyberSource Field Name	American Express Direct Field Name	Description	Required / Optional	Data Type & Length
airline_number_of_passengers	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)
airline_passenger_name	Additional Data - National - APD (Passenger Name)	Name of the passenger to whom the ticket was issued. Do not include special characters such as commas, hyphens, or apostrophes. Only ASCII characters are supported.  Format: LASTNAME~FIRST~INIT~TITLE where "~" is a space  <b>Example</b> FROST~JANE~M~MRS	Required	String (23)
industry_datatype	No corresponding processor field	Flag that indicates that the transaction includes airline data. This field must be set to <code>airline</code> in order for airline data to be sent to the processor.  <b>Important</b> If this field is not set to <code>airline</code> or does not included in the request, CyberSource will not send airline data to the processor.	Required	String (7)

You must include information for at least the first leg of the trip (leg 0). You must use consecutive numbers for the legs; do not skip a number. If you skip a number, CyberSource ignores the legs that follow the skipped number.

**Table 10 Travel Leg Request Fields for Authorization Requests**

<b>CyberSource Field Name</b>	<b>American Express Direct Field Name</b>	<b>Description</b>	<b>Required / Optional</b>	<b>Data Type &amp; Length</b>
airline_leg#_carrier_code	Airline Data - National - APD (Airline Carriers)	IATA <sup>1</sup> code for the carrier for this leg of the trip.	Required for each leg.	String (2)
airline_leg#_leg_departure_date	Additional Data - National - APD (Departure Date)	Departure date for the first leg of the trip. Format: YYYYMMDD.	Required	Integer (8)
airline_leg#_destination	Additional Data - National - APD (Destination Airport) and (Routing Cities)	IATA <sup>1</sup> code for the destination airport for this leg of the trip.	Required for each leg.	String (5)
airline_leg#_fare_basis	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)
airline_leg#_originating_airport_code	Additional Data - National - APD (Origin Airport)	IATA <sup>1</sup> code for the originating airport for the first leg of the trip.	Required	String (5)

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

## Request-Level 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 SCMP API](#).



**Note**

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



**Note**

The **airline\_iata\_numeric\_code** field was renamed to **airline\_agent\_code**. For a new implementation you must use the new field name.

If you already implemented airline data processing with the old field name, CyberSource will continue to support the field name for a limited period of time and recommends that you update your code to support the new field name at your earliest convenience.

**Table 11 General Request Fields for Capture and Credit Requests**

SCMP API Field	American Express Direct Field Name	Description	Required / Optional	Data Type & Length
airline_agent_code	IATA <sup>1</sup> Numeric Code	IATA <sup>1</sup> numeric code for the airline.	Required if you are an IATA <sup>1</sup> member and have been issued this code.	String (8)
airline_carrier_name	Ticketing Carrier Name	Airline carrier that generated the ticket.	Required	String (25)
airline_document_type	Document Type	Airline document type code that specifies the purpose of the transaction. For the possible values, see <a href="#">Appendix A, "Airline Document Type Codes,"</a> on page 107.	Required	String (2)

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



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

SCMP API Field	American Express Direct Field Name	Description	Required / Optional	Data Type & Length
airline_electronic_ticket	Electronic Ticket Indicator	Flag that indicates whether an electronic ticket was issued. Possible values: <ul style="list-style-type: none"> <li>■ Y: Yes</li> <li>■ N: No</li> </ul>	Required for ticket purchases and ticket exchanges; otherwise, optional.	String (1)
airline_number_of_passengers	Number In Party	Number of passengers for whom the ticket was issued. If you do not include this field in your request, CyberSource uses the default value of 1.	Required for ticket purchases and ticket exchanges; otherwise, optional.	Integer (3)
airline_original_ticket_number	Exchanged / Original Ticket Number	Original ticket number when the transaction is for a replacement ticket.	Optional	String (14)
airline_passenger_name	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)
airline_process_identifier	Airline Process Identifier	Airline process identifier. This value is the airline's three-digit IATA <sup>1</sup> code which is used to process extended payment airline tickets.	Required	String (3)
airline_purchase_type	Transaction Type	Type of purchase. Possible values: <ul style="list-style-type: none"> <li>■ EXC: Exchange ticket</li> <li>■ MSC: Miscellaneous (not a ticket purchase and not a transaction related to an exchange ticket)</li> </ul>	Optional	String (3)
airline_ticket_issue_date	Ticket Issue Date	Date on which the transaction occurred. Format: YYYYMMDD	Required	Integer (8)
airline_ticket_issuer_city	Ticket Issue City	City in which the transaction occurred. If the name of the city exceeds 18 characters, use meaningful abbreviations.	Required	String (18)

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

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

SCMP API Field	American Express Direct Field Name	Description	Required / Optional	Data Type & Length
airline_ticket_number	Ticket Number	<p>Ticket number or a value that American Express Direct refers to as a “document number printed on the source document,” which might be a booking reference number.</p> <p>If you need to submit a ticket number and a booking reference number, put the ticket number in this <b>airline_ticket_number</b> field and put the booking reference number in the reconciliation ID field:</p> <ul style="list-style-type: none"> <li>■ <b>bill_trans_ref_no</b> for a capture request</li> <li>■ <b>credit_trans_ref_no</b> for a credit request</li> </ul> <p>For information about including a transaction reference number in a request, contact CyberSource Customer Support.</p>	Required for ticket purchases and ticket exchanges; otherwise, optional.	String (14)
industry_datatype	No corresponding processor field	<p>Flag that indicates that the transaction includes airline data. This field must be set to <code>airline</code> in order for airline data to be sent to the processor.</p> <p><b>Important</b> If this field is not set to <code>airline</code> or is not included in the request, CyberSource does not send airline data to the processor.</p>	Required	String (7)
1 IATA=International Air Transport Association				

You must include information for at least the first leg of the trip (leg 0). You must use consecutive numbers for the legs; do not skip a number. If you skip a number, CyberSource ignores the legs that follow the skipped number.

**Table 12 Travel Leg Request Fields for Capture and Credit Requests**

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

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

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

SCMP API Field	American Express Direct Field Name	Description	Required / Optional	Data Type & Length
airline_leg#_fare_basis	Fare Basis	IATA <sup>1</sup> code for the fare basis for this leg of the trip. The fare basis is assigned by the carriers and indicates a particular ticket type, such as first class, business, or economy.	Required for ticket purchases and ticket exchanges; otherwise, optional.	String (5)
airline_leg#_flight_number	Flight Number	Flight number for this leg of the trip.	Required for ticket purchases and ticket exchanges; otherwise, optional.	String (4)
airline_leg#_originating_airport_code	Departure Location Code	IATA <sup>1</sup> code for the originating airport for this leg of the trip.	Required for ticket purchases and ticket exchanges; otherwise, optional.	String (3)
airline_leg#_stopover_code	Stopover Indicator	Code that indicates whether a stopover is allowed on this leg of the trip. Possible values: <ul style="list-style-type: none"> <li>■ O (capital letter "O"): Stopover allowed</li> <li>■ X (capital letter "X"): Stopover not allowed</li> </ul>	Optional	String (1)

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

## Examples

---

### Example 3 Authorization Request

---

```

ics_applications=ics_auth
industry_datatype=airline
merchant_id=okgo
merchant_ref_number=R98TV09EN200W
customer_firstname=Jane
customer_lastname=Smith
bill_address1=1295 Charleston Rd.
bill_city=Mountain View
bill_state=CA
bill_zip=94043
bill_country=US
customer_phone=650-965-6000
customer_email=jsmith@example.com
currency=USD
grand_total_amount=204.78
customer_cc_number=4111111111111111
customer_cc_expmo=09
customer_cc_expyr=2013
card_type=Visa
airline_passenger_name=Jane Smith
airline_number_of_passengers=1
airline_leg0_carrier_code=AA
airline_leg0_originating_airport_code=SJC
airline_leg0_leg_departure_date=20110930
airline_leg0_destination=SEA
airline_leg0_fare_basis=HL7WNR
airline_leg1_carrier_code=AA
airline_leg1_destination=SJC

```

---

### Example 4 Authorization Reply

---

```

merchant_ref_number=R98TV09EN200W
request_id=0305782650000167905080
ics_rcode=1
ics_rflag=SOK
ics_rmsg=Request was processed successfully.
currency=USD
auth_rcode=1
auth_rflag=SOK
auth_rmsg=Request was processed successfully.
auth_auth_amount=204.78
auth_auth_code=123456
auth_auth_avs=Y
auth_auth_response=A

```

---

**Example 5 Capture Request**


---

```

ics_applications=ics_bill
auth_request_id=0305782650000167905080
industry_datatype=airline
merchant_id=okgo
merchant_ref_number=R98TV09EN200W
currency=USD
grand_total_amount=204.78
airline_ticket_issuer_city=Mountain View
airline_ticket_issue_date=20110825
airline_ticket_number=02721187251
airline_carrier_name=CyberSource Airways
airline_passenger_name=Jane Smith
airline_document_type=01
airline_process_identifier=CYB
airline_leg0_carrier_code=AA
airline_leg0_flight_number=1234
airline_leg0_originating_airport_code=SJC
airline_leg0_class=H
airline_leg0_leg_departure_date=20110930
airline_leg0_destination=SEA
airline_leg0_fare_basis=HL7WNR
airline_leg0_fare=101.00
airline_leg1_carrier_code=AA
airline_leg1_flight_number=4321
airline_leg1_originating_airport_code=SEA
airline_leg1_class=H
airline_leg1_leg_departure_date=20111012
airline_leg1_destination=SJC
airline_leg1_fare_basis=HL7WNR
airline_leg1_fare=103.78

```

---

**Example 6 Capture Reply**


---

```

merchant_ref_number=R98TV09EN200W
request_id=0305782650000178916199
ics_rcode=1
ics_rflag=SOK
ics_rmsg=Request was processed successfully.
currency=USD
bill_rcode=1
bill_rflag=SOK
bill_rmsg=Request was processed successfully.
bill_bill_amount=204.78
bill_trans_ref_no=1094820975023470
bill_enhanced_data_enabled=y

```

---

# Asia, Middle East, and Africa Gateway Airline Data

## Airline Data Processing

---

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

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

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

## Request-Level 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 SCMP API](#).

**Table 14 General Request Fields**

CyberSource Field Name	Description	Required / Optional	Data Type & Length
airline_ticket_number	Ticket number.	Required	String (15)
industry_datatype	Flag that indicates that the transaction includes airline data. This field must be set to <code>airline</code> in order for airline data to be sent to the processor.  <b>Important</b> If this field is not set to <code>airline</code> or is not included in the request, CyberSource does not send airline data to the processor.	Required	String (7)



## Examples

---

### Example 7 Authorization Request

---

```

ship_to_address1=123 Main Street
ship_to_city=Small Town
ship_to_state=CA
ship_to_country=US
ship_to_zip=98765
customer_firstname=Jane
customer_lastname=Smith
customer_email=jsmith@example.com
bill_address1=123 Main Street
bill_city=Small Town
bill_state=CA
bill_country=US
bill_zip=98765
merchant_id=okgo
merchant_ref_number=QQQ123
currency=USD
customer_cc_number=4111111111111111
customer_cc_expmo=03
customer_cc_expyr=09
ics_applications=ics_auth
industry_datatype=airline
airline_ticket_number=02721187251
offer0=amount:112.34

```

---

### Example 8 Authorization Reply

---

```

auth_auth_avs=2
auth_auth_amount=112.34
auth_rcode=1
auth_rflag=SOK
auth_rmsg=Request was processed successfully.
auth_trans_ref_no=19119123407
auth_auth_response=00
auth_auth_code=ABC12345
auth_enhanced_data_enabled=Y
request_id=190135790167904567
ics_rcode=1
ics_rflag=SOK
ics_rmsg=Request was processed successfully.
merchant_ref_number=QQQ123
currency=USD

```

---

**Example 9 Capture Request**

---

```
ics_applications=ics_bill  
merchant_ID=okgo  
merchant_ref_number=R98TV09EN200W  
industry_datatype=airline  
auth_request_id=0839543530000172034078  
currency=USD  
offer0=amount:112.34  
airline_ticket_number=02721187251
```

---

**Example 10 Capture Reply**

---

```
request_id=0305782650000167905080  
ics_rcode=1  
ics_rflag=SOK  
ics_rmsg=Request was processed successfully.  
merchant_ref_number=R98TV09EN200W  
currency=USD  
bill_rcode=1  
bill_rflag=SOK  
bill_rmsg=Request was processed successfully.  
bill_bill_amount=112.34  
bill_trans_ref_no=1094820975023470  
bill_enhanced_data_enabled=y
```

---

# Barclays Airline Data



## Important

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

## Airline Data Processing

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

**Table 15** Airline Data Processing Features for Barclays

Feature	Description
Supported Card Types	Visa Mastercard Maestro (UK Domestic) Maestro (International)
Travel Legs	Maximum number of travel legs: 99 Numbering for the travel legs: 0 to 98  You must include information for at least the first leg of the trip (leg 0). You must use consecutive numbers for the legs; do not skip a number. If you skip a number, CyberSource ignores the legs that follow the skipped number.
Specification used by CyberSource to implement airline data processing	APACS 29, version 18

## Request-Level 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 SCMP API](#).

**Table 16 General Request-Level Fields**

CyberSource Field Name	Barclays Field Name	Description	Required / Optional	Data Type & Length
airline_agent_code	Travel Agency Code	IATA <sup>1</sup> code for the travel agency. For Mastercard, this value cannot be all zeros.	Optional	String (8)
airline_agent_name	Travel Agency Name	Name of the travel agency that is issuing the ticket. For Mastercard, this value cannot be all zeros.	Required	String (25)
airline_customer_code	Customer Code	Code provided by the cardholder.	Optional	String (12)
airline_invoice_number	Travel Agency Invoice Number	Number of the invoice the travel agency sends.	Optional	String (6)
airline_passenger_name	Passenger Name	Primary passenger's name. Do not include special characters such as commas, hyphens, or apostrophes. Only ASCII characters are supported.	Required	String (26)
airline_restricted_ticket_indicator	Restricted Ticket Indicator	Flag that indicates whether or not the ticket is restricted (nonrefundable). Possible values: <ul style="list-style-type: none"> <li>■ 0: No restriction (refundable)</li> <li>■ 1: Restricted (nonrefundable)</li> </ul>	Required for Visa	Integer (1)
airline_ticket_issuer_address	Ticket Issuer Address	Address of the company issuing the ticket.	Required	String (16)

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

Table 16 General Request-Level Fields (Continued)

CyberSource Field Name	Barclays Field Name	Description	Required / Optional	Data Type & Length
airline_ticket_number	Ticket Number	Primary ticket number.	Required	String (14)
industry_datatype	No corresponding processor field	Flag that indicates that the transaction includes airline data. This field must be set to <code>airline</code> in order for airline data to be sent to the processor.  <b>Important</b> If this field is not set to <code>airline</code> or is not included in the request, CyberSource does not send airline data to the processor.	Required	String (7)

1 ATA=International Air Transport Association

You must include information for at least the first leg of the trip (leg 0). You must use consecutive numbers for the legs; do not skip a number. If you skip a number, CyberSource ignores the legs that follow the skipped number.

Table 17 Request-Level Fields for Travel Legs

CyberSource Field Name	Barclays Field Name	Description	Required / Optional	Data Type & Length
airline_leg#_carrier_code	Carrier Code and Issuing Carrier	Carrier Code: IATA <sup>1</sup> code for the carrier for this leg of the trip.  Issuing Carrier: IATA <sup>1</sup> code for the carrier that issued the entire ticket. There is only one issuing carrier for the ticket, not one for each leg. Only the value for leg 0 is used.	Optional	String (2)
airline_leg#_class	Service Class	IATA <sup>1</sup> code for the class of service for this leg of the trip.	Required for reduced interchange; otherwise, optional	String (1)
airline_leg#_conjunction_ticket	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)
airline_leg#_depart_tax	Departure tax	Amount of departure tax for this leg of the trip.	Optional	Integer (12)

1 IATA=International Air Transport Association

Table 17 Request-Level Fields for Travel Legs (Continued)

CyberSource Field Name	Barclays Field Name	Description	Required / Optional	Data Type & Length
airline_leg#_destination	City of Destination/ Airport Code	IATA <sup>1</sup> code for the destination airport for this leg of the trip.	Optional	String (5)
airline_leg#_exchange_ticket	Exchange Ticket	New ticket number that is issued when the ticket is exchanged for this leg of the trip.	Optional	String (15)
airline_leg#_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	String (6)
airline_leg#_leg_departure_date	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)
airline_leg#_originating_airport_code	City of Origin/ Airport Code	IATA <sup>1</sup> code for the originating airport for this leg of the trip.	Required for the first leg; optional for additional legs	String (5)
airline_leg#_stopover_code	Stop Over Code	Code that indicates whether a stopover is allowed on this leg of the trip. Possible values: <ul style="list-style-type: none"> <li>■ O (capital letter "O") (default): Stopover allowed</li> <li>■ X (capital letter "X"): Stopover not allowed</li> </ul> <p>Required for Mastercard Corp T&amp;E rate 3. For more information, see your acquirer.</p>	Optional	Integer (1)

1 IATA=International Air Transport Association

## Examples

---

### Example 11 Capture Request

---

```

ics_applications=ics_bill
merchant_id=World Wide Travel
merchant_ref_number=R98TV09EN200W
industry_datatype=airline
auth_request_id=0839543530000172034078
currency=USD
grand_total_amount=204.78
airline_agent_code=98222147
airline_agent_name=Cyber Vacations
airline_passenger_name=Johnny Smith
airline_restricted_ticket_indicator=0
airline_ticket_issuer_address=123 Main Street
airline_ticket_number=02721187251
airline_leg0_leg_departure_date=101512
airline_leg0_originating_airport_code=SJC
airline_leg0_carrier_code=AA
airline_leg0_destination=SEA
airline_leg0_fare_basis=HL7WNR
airline_leg1_leg_departure_date=102012
airline_leg1_originating_airport_code=SEA
airline_leg1_carrier_code=AA
airline_leg1_destination=SJC
airline_leg1_fare_basis=HL7WNR

```

---

### Example 12 Capture Reply

---

```

request_id=0305782650000167905080
ics_rcode=1
ics_rflag=SOK
ics_rmsg=Request was processed successfully.
merchant_ref_number=R98TV09EN200W
currency=USD
bill_rcode=1
bill_rflag=SOK
bill_rmsg=Request was processed successfully.
bill_bill_amount=204.78
bill_trans_ref_no=1094820975023470
bill_enhanced_data_enabled=y

```

---

# CyberSource through VisaNet Airline Data

## Requirements

---



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.

---



Values for all airline fields must consist of English characters.

---

## Supported Acquirers

---

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

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



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

## Airline Data Processing

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

**Table 18 Airline Data Processing Features for CyberSource through VisaNet**

Feature	Description
Ancillary Services	Available for capture and credit requests.  Ancillary services include checked baggage, carry-on baggage, meals, on-board entertainment, internet connections, advanced seating, upgraded seating, telephone reservations, early boarding, canceled reservations, modified reservations, pet transportation, and third-party services such as hotel rooms, car rentals, and pick-up and delivery services.
Supported Card Types	Visa Mastercard American Express Discover
Travel Legs	Maximum number of travel legs: 4  Numbering for the travel legs: 0 to 3  You must include information for at least the first leg of the trip (leg 0). You must use consecutive numbers for the legs; do not skip a number. If you skip a number, CyberSource ignores the legs that follow the skipped number.

## Special Data Type for CyberSource through VisaNet

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

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

**Table 19 General Request-Level Fields**

CyberSource Field Name	CyberSource through VisaNet Field Name	Description	Required / Optional <sup>1</sup>	Data Type & Length <sup>1</sup>
airline_agent_code	agencyCode	IATA <sup>2</sup> code for the travel agency. Format: English characters only.	Optional	Restricted String (8) <sup>3</sup>
airline_agent_name	agencyName	Name of the travel agency that is issuing the ticket. Format: English characters only.	Optional	String (25)
airline_arrival_date	arrivalDate	Date of arrival for the last leg of the trip. Format: MMDDYYYY English characters only.	Optional	String (8)
airline_carrier_name	carrierName	Airline that generated the ticket. Format: English characters only.	Optional	Discover: String (19)  All other card types: String (25)
airline_clearing_count	clearingSequence Count	Total number of clearing messages associated with the authorization request. Format: English characters only.	Optional	Integer (2)

<sup>1</sup> Unless otherwise indicated, the information in this column applies to all card types for which airline data is supported as described in "Airline Data Processing," page 42.

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

<sup>3</sup> See "Special Data Type for CyberSource through VisaNet," page 42.

Table 19 General Request-Level Fields (Continued)

CyberSource Field Name	CyberSource through VisaNet Field Name	Description	Required / Optional <sup>1</sup>	Data Type & Length <sup>1</sup>
airline_clearing_sequence	clearingSequenceNumber	Number that identifies the clearing message when multiple clearing messages are allowed per authorized transaction.  Each clearing message linked to one authorization request must include a unique clearing sequence number between 1 and the total number of clearing records.  Format: English characters only.	Optional	Integer (2)
airline_credit_reason_indicator	creditReasonIndicator	Reason for the credit. Possible values:  <ul style="list-style-type: none"> <li>■ A: Cancellation of the ancillary passenger transport purchase.</li> <li>■ B: Cancellation of the airline ticket and the passenger transport ancillary purchase.</li> <li>■ C: Cancellation of the airline ticket.</li> <li>■ O: Other.</li> <li>■ P: Partial refund of the airline ticket.</li> </ul> Format: English characters only.	Optional	String (1)
airline_customer_code	customerCode	Reference number or code that identifies the cardholder.  Format: English characters only.	Optional	Restricted String (25) <sup>3</sup>
airline_document_type	documentType	Airline document type code that specifies the purpose of the transaction. For the possible values, see <a href="#">Appendix A, "Airline Document Type Codes," on page 107</a> .  Format: English characters only.	Optional	String (2)

1 Unless otherwise indicated, the information in this column applies to all card types for which airline data is supported as described in "Airline Data Processing," page 42.  
2 IATA=International Air Transport Association  
3 See "Special Data Type for CyberSource through VisaNet," page 42.

Table 19 General Request-Level Fields (Continued)

CyberSource Field Name	CyberSource through VisaNet Field Name	Description	Required / Optional <sup>1</sup>	Data Type & Length <sup>1</sup>
airline_electronic_ticket	electronicTicket	Flag that indicates whether an electronic ticket was issued. Possible values: <ul style="list-style-type: none"> <li>■ Y: Yes</li> <li>■ N: No</li> </ul> Format: English characters only.	Optional	String (1)
airline_exchange_ticket_amount	exchangeTicket Amount	Amount of the exchanged ticket. Format: English characters only.	Optional	Decimal (12)
airline_exchange_ticket_fee	exchangeTicket Fee	Fee for exchanging the ticket. Format: English characters only.	Optional	Decimal (12)
airline_number_of_passengers	numberOf Passengers	Number of passengers for whom the ticket was issued. Format: English characters only.	Optional	String (3)
airline_passenger_name	passengerName	Passenger's name. Do not include special characters such as commas, hyphens, or apostrophes. Only ASCII characters are supported. Format: English characters only.	Optional	String (20)
airline_plan_number	planNumber	Plan number based on the fare. This value is provided by the airline. Format: English characters only.	Optional	String (2)
airline_purchase_type	ticketType	Type of purchase. Possible values: <ul style="list-style-type: none"> <li>■ EXC: Exchange ticket</li> <li>■ MSC: Miscellaneous (not a ticket purchase and not a transaction related to an exchange ticket)</li> <li>■ REF: Refund</li> <li>■ TKT: Ticket</li> </ul> Format: English characters only.	Optional	String (3)

1 Unless otherwise indicated, the information in this column applies to all card types for which airline data is supported as described in "Airline Data Processing," page 42.  
2 IATA=International Air Transport Association  
3 See "Special Data Type for CyberSource through VisaNet," page 42.

Table 19 General Request-Level Fields (Continued)

CyberSource Field Name	CyberSource through VisaNet Field Name	Description	Required / Optional <sup>1</sup>	Data Type & Length <sup>1</sup>
airline_reservation_system	reservationSystem	Code that specifies the computerized reservation system used to make the reservation and purchase the ticket.  Format: English characters only.	Optional	Restricted String (4) <sup>3</sup>
airline_restricted_ticket_indicator	restrictedTicketIndicator	Flag that indicates whether the ticket is restricted (nonrefundable). Possible values:  <ul style="list-style-type: none"> <li>■ 0: No restriction (refundable)</li> <li>■ 1: Restricted (nonrefundable)</li> </ul> Format: English characters only.	Optional	Restricted String (1) <sup>3</sup>
airline_ticket_issue_date	ticketIssueDate	Date on which the transaction occurred.  Format: MMDDYYYY Format: English characters only.	Optional	String (8)
airline_ticket_issuer_city	ticketIssueCity	City in which the transaction occurred. If the name of the city exceeds 18 characters, use meaningful abbreviations.  Format: English characters only.	Optional	String (18)
airline_ticket_issuer_code	issuerCode	IATA <sup>2</sup> airline code.  Format: English characters only.	Mastercard: Required All other card types: Optional	String (4)
airline_ticket_number	ticketNumber	Ticket number.  Format: English characters only.	Optional	Restricted String (15) <sup>3</sup>
airline_ticket_restriction_text	ticketRestrictionText	Text that describes the ticket limitations, such as <i>non-refundable</i> .  Format: English characters only.	Optional	String (20)

1 Unless otherwise indicated, the information in this column applies to all card types for which airline data is supported as described in "Airline Data Processing," page 42.

2 IATA=International Air Transport Association

3 See "Special Data Type for CyberSource through VisaNet," page 42.

Table 19 General Request-Level Fields (Continued)

CyberSource Field Name	CyberSource through VisaNet Field Name	Description	Required / Optional <sup>1</sup>	Data Type & Length <sup>1</sup>
airline_ticket_update_indicator	ticketChangeIndicator	Type of update. Possible values: <ul style="list-style-type: none"> <li>■ C: Change to the existing ticket.</li> <li>■ N: New ticket.</li> </ul> Format: English characters only.	Optional	String (1)
airline_total_clearing	clearingAmount	Total clearing amount for all transactions in the clearing count set. This value cannot exceed 99999999999999999999 (twenty 9s). Format: English characters only.	Optional	Decimal (20)
airline_total_fee	totalFee	Total fee for the ticket. This value cannot exceed 99999999999999999999 (twenty 9s). Format: English characters only.	Optional	Decimal (20)
industry_datatype	No corresponding processor field	Flag that indicates that the transaction includes airline data. This field must be set to <code>airline</code> in order for airline data to be sent to the processor. If this field is not set to <code>airline</code> or is not included in the request, CyberSource does not send airline data to the processor. Format: English characters only.	Required	String (7)

<sup>1</sup> Unless otherwise indicated, the information in this column applies to all card types for which airline data is supported as described in "Airline Data Processing," page 42.

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

<sup>3</sup> See "Special Data Type for CyberSource through VisaNet," page 42.

Table 20 Ancillary Request Fields

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

<sup>1</sup> Unless otherwise indicated, the information in this column applies to all the card types for which airline data is supported as described in "Airline Data Processing," page 42.



Table 20 Ancillary Request Fields (Continued)

CyberSource Field Name	CyberSource through VisaNet Field Name	Description	Required / Optional <sup>1</sup>	Data Type & Length <sup>1</sup>
ancillary_passenger_name	passengerName	Name of the passenger. If the passenger's name is not available, this value is the cardholder's name. If neither the passenger's name nor the cardholder's name is available, this value is a description of the ancillary purchase.  <b>Important</b> This field is required in the U.S. in order for you to qualify for either the custom payment service (CPS) or the electronic interchange reimbursement fee (EIRF) program.  Format: English characters only.	Optional	String (20)
ancillary_service#_category_code	category	Category code for the ancillary service that is provided. Obtain the codes from the International Air Transport Association (IATA).  <b>Note</b> # is either 0, 1, 2, or 3.  <b>Important</b> This field is required in the U.S. in order for you to qualify for either the custom payment service (CPS) or the electronic interchange reimbursement fee (EIRF) program.  Format: English characters only.	Optional	String (4)
ancillary_service#_subcategory_code	subcategory	Subcategory code for the ancillary service category. Obtain the codes from the International Air Transport Association (IATA).  <b>Note</b> # is 0, 1, 2, or 3.  Format: English characters only.	Optional	String (4)

<sup>1</sup> Unless otherwise indicated, the information in this column applies to all the card types for which airline data is supported as described in "Airline Data Processing," page 42.

Table 20 Ancillary Request Fields (Continued)

CyberSource Field Name	CyberSource through VisaNet Field Name	Description	Required / Optional <sup>1</sup>	Data Type & Length <sup>1</sup>
ancillary_ticket_number	ticketNumber	<p>Ticket number, which consists of the carrier code, form, and serial number, without the check digit.</p> <p><b>Important</b> This field is required in the U.S. in order for you to qualify for either the custom payment service (CPS) or the electronic interchange reimbursement fee (EIRF) program.</p> <p>Format: English characters only.</p>	Optional	String (15)
<p><sup>1</sup> Unless otherwise indicated, the information in this column applies to all the card types for which airline data is supported as described in "Airline Data Processing," page 42.</p>				

Table 21 Request-Level Fields for Travel Legs

CyberSource Field Name	CyberSource through VisaNet Field Name	Description	Required / Optional <sup>1</sup>	Data Type & Length <sup>1</sup>
airline_leg#_arrival_time	arrivalTime	<p>Time of arrival for this leg of the trip. The format is military time and HHMM: If not all zeros, then the hours must be 00-23 and the minutes must be 00-59.</p> <p>Format: English characters only.</p>	Optional	Integer (4)
airline_leg#_arrival_time_segment	arrivalTime Segment	<p>AM or PM for the arrival time for this leg of the trip. Possible values:</p> <ul style="list-style-type: none"> <li>■ A: 12:00 midnight to 11:59 a.m.</li> <li>■ P: 12:00 noon to 11:59 p.m.</li> </ul> <p>Format: English characters only.</p>	Optional	Restricted String (1) <sup>2</sup>
airline_leg#_carrier_code	carrierCode	<p>IATA<sup>3</sup> code for the carrier for this leg of the trip.</p> <p>Format: English characters only.</p>	Optional	Restricted String (2) <sup>2</sup>
<p><sup>1</sup> Unless otherwise indicated, the information in this column applies to all the card types for which airline data is supported as described in "Airline Data Processing," page 42.</p> <p><sup>2</sup> See "Special Data Type for CyberSource through VisaNet," page 42.</p> <p><sup>3</sup> IATA=International Air Transport Association</p>				

Table 21 Request-Level Fields for Travel Legs (Continued)

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

1 Unless otherwise indicated, the information in this column applies to all the card types for which airline data is supported as described in "Airline Data Processing," page 42.

2 See "Special Data Type for CyberSource through VisaNet," page 42.

3 IATA=International Air Transport Association

Table 21 Request-Level Fields for Travel Legs (Continued)

CyberSource Field Name	CyberSource through VisaNet Field Name	Description	Required / Optional <sup>1</sup>	Data Type & Length <sup>1</sup>
airline_leg#_endorsements_restrictions	endorsementRestrictions	Notes or notations about endorsements and restrictions for this leg of the trip.  Endorsements can be notations added by the travel agency, including mandatory government-required notations such as value added tax.  Restrictions are limitations for the ticket based on the type of fare, such as a nonrefundable ticket or a 3-day minimum stay.  Format: English characters only.	Optional	String (20)
airline_leg#_exchange_ticket	exchangeTicket	New ticket number that is issued when the ticket is exchanged for this leg of the trip.  Format: English characters only.	Optional	Restricted String (25) <sup>2</sup>
airline_leg#_fare	fare	Total fare for this leg of the trip.  Format: English characters only.	Optional	Decimal (12)
airline_leg#_fare_basis	fareBasisCode	Code for the fare basis for this leg of the trip. The fare basis is assigned by the carriers and indicates a particular ticket type, such as business class or discounted/nonrefundable.  Format: English characters only.	Optional	Restricted String (6) <sup>2</sup>
airline_leg#_fee	fee	Fee for this leg of the trip, such as an airport fee or country fee.  Format: English characters only.	Optional	Decimal (12)
airline_leg#_flight_number	flightNumber	Flight number for this leg of the trip.  Format: English characters only.	Optional	Restricted String (5) <sup>2</sup>

1 Unless otherwise indicated, the information in this column applies to all the card types for which airline data is supported as described in "Airline Data Processing," page 42.  
2 See "Special Data Type for CyberSource through VisaNet," page 42.  
3 IATA=International Air Transport Association

Table 21 Request-Level Fields for Travel Legs (Continued)

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

1 Unless otherwise indicated, the information in this column applies to all the card types for which airline data is supported as described in "Airline Data Processing," page 42.

2 See "Special Data Type for CyberSource through VisaNet," page 42.

3 IATA=International Air Transport Association

Table 22 Offer-Level Field

CyberSource Field Name	CyberSource through VisaNet Field Name	Description	Required / Optional <sup>1</sup>	Data Type & Length <sup>1</sup>
tax_amount	totalTaxes	Tax portion of the order amount. This value cannot exceed 99999999999999 (fourteen 9s). Format: English characters only.	Optional	Decimal (14)

1 Unless otherwise indicated, the information in this column applies to all the card types for which airline data is supported as described in "Airline Data Processing," page 42.

## Examples

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### Example 13 Capture Request with Airline Data

---

```

ics_applications=ics_bill
merchant_id=World Wide Travel
merchant_ref_number=R98TV09EN200W
industry_datatype=airline
auth_request_id=0839543530000172034078
currency=USD
grand_total_amount=204.78
airline_agent_code=98222147
airline_agent_name=Cyber Vacations
airline_passenger_name=Johnny Smith
airline_restricted_ticket_indicator=0
airline_ticket_number=02721187251
airline_leg0_leg_departure_date=121511
airline_leg0_departure_time=0931
airline_leg0_departure_time_segment=A
airline_leg0_originating_airport_code=SJC
airline_leg0_carrier_code=AA
airline_leg0_destination=SEA
airline_leg0_fare_basis=HL7WNR
airline_leg0_coupon_number=1
airline_leg0_arrival_time=1131
airline_leg0_arrival_time_segment=A
airline_leg1_departure_date=122011
airline_leg1_departure_time=1625
airline_leg1_departure_time_segment=P
airline_leg1_originating_airport_code=SEA
airline_leg1_carrier_code=AA
airline_leg1_destination=SJC
airline_leg1_fare_basis=HL7WNR
airline_leg1_coupon_number=2
airline_leg1_arrival_time=1837
airline_leg1_arrival_time_segment=P

```

---

### Example 14 Capture Reply with Airline Data

---

```

request_id=0305782650000167905080
ics_rcode=1
ics_rflag=SOK
ics_rmsg=Request was processed successfully.
merchant_ref_number=R98TV09EN200W
currency=USD
bill_rcode=1
bill_rflag=SOK
bill_rmsg=Request was processed successfully.
bill_bill_amount=204.78
bill_trans_ref_no=1094820975023470
bill_enhanced_data_enabled=y

```

---

**Example 15 Capture Request with Ancillary Data**

---

```
ics_applications=ics_bill
merchant_id=World Wide Travel
merchant_ref_number=R98TV09EN200W
industry_datatype=airline
auth_request_id=0839543530000172034078
currency=USD
grand_total_amount=204.78
ancillary_connected_ticket_number=98765432112345
ancillary_credit_reason_indicator=A
ancillary_passenger_name=Jane Smith
ancillary_service0_category_code=MEAL
ancillary_service0_subcategory_code=SPM
ancillary_service1_category_code=ENTM
ancillary_service1_subcategory_code=DTV
ancillary_ticket_number=123456789123456
```

---

**Example 16 Capture Reply with Ancillary Data**

---

```
request_id=4250238442125000001540
ics_rcode=1
ics_rflag=SOK
ics_rmsg=Request was processed successfully.
merchant_ref_number=R98TV09EN200W
currency=USD
bill_rcode=1
bill_rflag=SOK
bill_rmsg=Request was processed successfully.
bill_bill_amount=204.78
bill_trans_ref_no=4250238432115000001540
bill_enhanced_data_enabled=y
```

---

# Elavon Airline Data

## Airline Data Processing

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

**Table 23** Airline Data Processing Features for Elavon

Feature	Description
Supported Card Types	Visa Mastercard Diners Club Discover
Travel Legs with Visa <sup>1</sup>	Maximum number of travel legs: 4 Numbering for the travel legs: 0 to 3
Travel Legs with Mastercard <sup>1</sup>	Maximum number of travel legs: 4 Numbering for the travel legs: 0 to 3
Travel Legs with Diners Club <sup>1</sup>	Maximum number of travel legs: 4 Numbering for the travel legs: 0 to 3
Travel Legs with Discover <sup>1</sup>	Maximum number of travel legs: 4 Numbering for the travel legs: 0 to 3
Specification used by CyberSource to implement airline data processing	<i>Citibank Global Multi Currency Input Format (GMCIF)</i> , version 1.29
<sup>1</sup> You must include information for at least the first leg of the trip (leg 0). You must use consecutive numbers for the legs; do not skip a number. If you skip a number, CyberSource ignores the legs that follow the skipped number.	



## Request-Level 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 SCMP API](#).

**Table 24 General Request-Level Fields**

CyberSource Field Name	Elavon Field Name	Description	Required / Optional	Data Type & Length
airline_agent_code	Agent Code	IATA <sup>1</sup> code for the travel agency.	Required	String with numbers only (8)
airline_agent_name	Agent Name	Name of the travel agency that is issuing the ticket.	Required	String (26)
airline_customer_code	Customer Code	Customer reference.	Optional for Diners Club and Discover Not used for Visa or Mastercard	String (20)
airline_passenger_name	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)
airline_restricted_ticket_indicator	Restricted Ticket	Flag that indicates whether or not the ticket is restricted (nonrefundable). Possible values: <ul style="list-style-type: none"> <li>■ 0 : No restriction (refundable)</li> <li>■ 1 : Restricted (nonrefundable)</li> </ul>	Required	Integer (1)
airline_ticket_issuer_code	Airline code	IATA <sup>1</sup> airline code. Use the first 3 digits of the ticket number.	Required	String with numbers only (15)

1 IATA=International Air Transport Association

Table 24 General Request-Level Fields (Continued)

CyberSource Field Name	Elavon Field Name	Description	Required / Optional	Data Type & Length
airline_ticket_number	Ticket Number	Ticket number.	Required	String with letters and numbers only (11)
industry_datatype	No corresponding processor field	Flag that indicates that the transaction includes airline data. This field must be set to <code>airline</code> in order for airline data to be sent to the processor.  <b>Important</b> If this field is not set to <code>airline</code> or is not included in the request, CyberSource does not send airline data to the processor.	Required	String (7)

---

1 IATA=International Air Transport Association

You must include information for at least the first leg of the trip (leg 0). You must use consecutive numbers for the legs; do not skip a number. If you skip a number, CyberSource ignores the legs that follow the skipped number.

Table 25 Request-Level Fields for Travel Legs

CyberSource Field Name	Elavon Field Name	Description	Required / Optional	Data Type & Length
airline_leg#_carrier_code	Segment #	IATA <sup>1</sup> code for the carrier for this leg of the trip.	Required for the first leg; optional for additional legs	String (3)
airline_leg#_class	Class	IATA <sup>1</sup> code for the class of service for this leg of the trip, such as coach or first class.	Required for the first leg; optional for additional legs	String (3)
airline_leg#_destination	Destination	IATA <sup>1</sup> code for the destination airport for this leg of the trip.	Required for the first leg; optional for additional legs	String (3)

---

1 IATA=International Air Transport Association

Table 25 Request-Level Fields for Travel Legs (Continued)

CyberSource Field Name	Elavon Field Name	Description	Required / Optional	Data Type & Length
airline_leg#_fare_basis	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)
airline_leg#_flight_number	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)
airline_leg#_leg_departure_date	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)
airline_leg#_originating_airport_code	Originating Airport	IATA <sup>1</sup> code for the originating airport for this leg of the trip.	Required for the first leg; optional for additional legs	String (3)
airline_leg#_stopover_code	Stop Over Code	Code that indicates whether a stopover is allowed on this leg of the trip. Possible values: <ul style="list-style-type: none"> <li>■ 0: Stopover allowed</li> <li>■ 1: Stopover not allowed</li> </ul>	Required for the first leg; optional for additional legs	Integer (1)
1 IATA=International Air Transport Association				

# FDC Nashville Global Airline Data

## Airline Data Processing

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

**Table 26** Airline Data Processing Features for FDC Nashville Global

Feature	Description
Supported Card Types	Visa Mastercard
Travel Legs	Maximum number of travel legs: 99 Numbering for the travel legs: 0 to 98  You must include information for at least the first leg of the trip (leg 0). You must use consecutive numbers for the legs; do not skip a number. If you skip a number, CyberSource ignores the legs that follow the skipped number.
Specification used by CyberSource to implement airline data processing	First Data's <i>PTS</i> specification, version 2006.1B, dated June 20, 2006

## Request-Level 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 SCMP API](#).

**Table 27 General Request-Level Fields**

CyberSource Field Name	FDC Nashville Global Field Name	Description	Required / Optional	Data Type & Length
airline_agent_code	Travel Agency Code	IATA <sup>1</sup> code for the travel agency. For Mastercard, this value cannot be all zeros.	Optional	String (8)
airline_agent_name	Travel Agency Name	Name of the travel agency that is issuing the ticket. For Mastercard, this value cannot be all zeros.	Optional	String (25)
airline_clearing_count	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)
airline_clearing_sequence	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)
airline_customer_code	Customer Code	Code provided by the cardholder.	Optional	String (17)
airline_passenger_name	Passenger Name	Primary passenger's name. Do not include special characters such as commas, hyphens, or apostrophes. Only ASCII characters are supported.	Required	String (25)
airline_restricted_ticket_indicator	Restricted Ticket Indicator	Flag that indicates whether or not the ticket is restricted (nonrefundable). Possible values: <ul style="list-style-type: none"> <li>■ 0: No restriction (refundable)</li> <li>■ 1: Restricted (nonrefundable)</li> </ul>	Required for Visa	Integer (1)
airline_ticket_number	Ticket Number	Primary ticket number.	Required	String (15)

1 IATA=International Air Transport Association

Table 27 General Request-Level Fields (Continued)

CyberSource Field Name	FDC Nashville Global Field Name	Description	Required / Optional	Data Type & Length
airline_total_clearing	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)
airline_total_fee	Total Fee	Total fee for the ticket.	Optional	Integer (11)
industry_datatype	No corresponding processor field	Flag that indicates that the transaction includes airline data. This field must be set to <code>airline</code> in order for airline data to be sent to the processor.  <b>Important</b> If this field is not set to <code>airline</code> or is not included in the request, CyberSource does not send airline data to the processor.	Required	String (7)

1 IATA=International Air Transport Association

You must include information for at least the first leg of the trip (leg 0). You must use consecutive numbers for the legs; do not skip a number. If you skip a number, CyberSource ignores the legs that follow the skipped number.

Table 28 Request-Level Fields for Travel Legs

CyberSource Field Name	FDC Nashville Global Field Name	Description	Required / Optional	Data Type & Length
airline_leg#_arrival_time	Arrival Time	Time of arrival for this leg of the trip. The format is military time and HHMM: If not all zeros, then the hours must be 00-23 and the minutes must be 00-59.	Required for Mastercard Optional for Visa	Integer (4)
airline_leg#_arrival_time_segment	Arrival Time Segment	AM or PM for the arrival time for this leg of the trip. Possible values: <ul style="list-style-type: none"> <li>■ A: 12:00 midnight to 11:59 a.m.</li> <li>■ P: 12:00 noon to 11:59 p.m.</li> </ul>	Required for Mastercard Optional for Visa	String (1)

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

Table 28 Request-Level Fields for Travel Legs (Continued)

CyberSource Field Name	FDC Nashville Global Field Name	Description	Required / Optional	Data Type & Length
airline_leg#_carrier_code	Carrier Code and Issuing Carrier	Carrier Code: IATA <sup>1</sup> code for the carrier for this leg of the trip.  Issuing Carrier: IATA <sup>1</sup> code for the carrier that issued the entire ticket. There is only one issuing carrier for the ticket, not one for each leg. Only the value for leg 0 is used.	Required	String (4)
airline_leg#_class	Service Class	IATA <sup>1</sup> code for the class of service for this leg of the trip.	Required for reduced interchange; otherwise, optional	String (2)
airline_leg#_conjunction_ticket	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)
airline_leg#_coupon_number	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)
airline_leg#_leg_departure_date	Travel Date	Departure date for this leg of the trip. The format is MMDDYY.	Required	Integer (6)
airline_leg#_departure_time	Departure Time	Time of departure for this leg of the trip. The format is military time and HHMM: If not all zeros, then the hours must be 00-23 and the minutes must be 00-59.	Required for Mastercard Optional for Visa	Integer (4)
airline_leg#_departure_time_segment	Departure Time Segment	AM or PM for the departure time for this leg of the trip. Possible values: <ul style="list-style-type: none"> <li>■ A: 12:00 midnight to 11:59 a.m.</li> <li>■ P: 12:00 noon to 11:59 p.m.</li> </ul>	Required for Mastercard Optional for Visa	String (1)
airline_leg#_destination	City of Destination/ Airport Code	IATA <sup>1</sup> code for the destination airport for this leg of the trip.	Required	String (5)

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

Table 28 Request-Level Fields for Travel Legs (Continued)

CyberSource Field Name	FDC Nashville Global Field Name	Description	Required / Optional	Data Type & Length
airline_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)
airline_leg#_exchange_ticket	Exchange Ticket	New ticket number that is issued when the ticket is exchanged for this leg of the trip.	Optional	String (15)
airline_leg#_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.	Required for Mastercard Optional for Visa	String (15)
airline_leg#_flight_number	Flight Number	Flight number for this leg of the trip.  Required for Mastercard Corp T&E rate 3. <sup>2</sup>	Optional	String (5)
airline_leg#_originating_airport_code	City of Origin/Airport Code	IATA <sup>1</sup> code for the originating airport for this leg of the trip.	Required	String (5)
airline_leg#_stopover_code	Stop Over Code	Code that indicates whether a stopover is allowed on this leg of the trip. Possible values:  <ul style="list-style-type: none"> <li>■ O (capital letter "O") (default): Stopover allowed</li> <li>■ X (capital letter "X"): Stopover not allowed</li> </ul> Required for Mastercard Corp T&E rate 3. <sup>2</sup>	Optional	String (1)

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



## Examples

---

### Example 17 Capture Request

---

```
ics_applications=ics_bill
merchant_id=World Wide Travel
merchant_ref_number=R98TV09EN200W
industry_datatype=airline
auth_request_id=0839543530000172034078
currency=USD
grand_total_amount=204.78
airline_agent_code=98222147
airline_agent_name=Cyber Vacations
airline_passenger_name=Johnny Smith
airline_restricted_ticket_indicator=0
airline_ticket_number=02721187251
airline_leg0_leg_departure_date=121506
airline_leg0_departure_time=0931
airline_leg0_departure_time_segment=A
airline_leg0_originating_airport_code=SJC
airline_leg0_carrier_code=AA
airline_leg0_destination=SEA
airline_leg0_fare_basis=HL7WNR
airline_leg0_coupon_number=1
airline_leg0_arrival_time=1131
airline_leg0_arrival_time_segment=A
airline_leg1_departure_date=122006
airline_leg1_departure_time=1625
airline_leg1_departure_time_segment=P
airline_leg1_originating_airport_code=SEA
airline_leg1_carrier_code=AA
airline_leg1_destination=SJC
airline_leg1_fare_basis=HL7WNR
airline_leg1_coupon_number=2
airline_leg1_arrival_time=1837
airline_leg1_arrival_time_segment=P
```

---

**Example 18 Capture Reply**

---

```
request_id=0305782650000167905080
ics_rcode=1
ics_rflag=SOK
ics_rmsg=Request was processed successfully.
merchant_ref_number=R98TV09EN200W
currency=USD
bill_rcode=1
bill_rflag=SOK
bill_rmsg=Request was processed successfully.
bill_bill_amount=204.78
bill_trans_ref_no=1094820975023470
bill_enhanced_data_enabled=y
```

---

# Getnet Airline Data

## Airline Data Processing

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

**Table 29** Airline Data Processing Features for Getnet

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

## Request-Level Field

This section describes the airline request field to use with an authorization request. In addition to the field in [Table 30](#), another field that is useful for airline transactions on Getnet is **installment\_down\_payment**, which is documented in [Credit Card Services Using the SCMP API](#). You can use the **installment\_down\_payment** 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 SCMP API](#).

**Table 30** General Request-Level Field

CyberSource Field Name	Description	Required / Optional <sup>1</sup>	Data Type & Length <sup>1</sup>
airline_boarding_fee	Boarding fee.	Optional	Decimal (12)

# Lloyds-OmniPay Airline Data

## Airline Data Processing

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

**Table 31** Airline Data Processing Features for Lloyds-OmniPay

Feature	Description
Supported Card Types	Visa Mastercard
Travel Legs with Visa <sup>1</sup>	Maximum number of travel legs: 4 Numbering for the travel legs: 0 to 3
Travel Legs with Mastercard <sup>1</sup>	Maximum number of travel legs: 999 Numbering for the travel legs: 0 to 998
Specification used by CyberSource to implement airline data processing	<i>Lloyds-OmniPay's Airline Addendum Records – Impact to 80 Byte specification, version 1.0, dated February 6, 2006</i>
<p><sup>1</sup> You must include information for at least the first leg of the trip (leg 0). You must use consecutive numbers for the legs; do not skip a number. If you skip a number, CyberSource ignores the legs that follow the skipped number.</p>	

## Request-Level 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 SCMP API](#).

**Table 32 General Request-Level Fields**

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

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

Table 32 General Request-Level Fields (Continued)

CyberSource Field Name	Lloyds-OmniPay Field Name	Description	Required / Optional	Data Type & Length
airline_restricted_ticket_indicator	Restricted Ticket Indicator	Flag that indicates whether or not the ticket is restricted (nonrefundable). Possible values: <ul style="list-style-type: none"> <li>■ 0 (default): No restriction (refundable)</li> <li>■ 1: Restricted (nonrefundable)</li> </ul>	Optional for Visa Not used for Mastercard	String (1)
airline_ticket_number	Ticket Number	Ticket number.	Required	String (15)
industry_datatype	No corresponding processor field	Flag that indicates that the transaction includes airline data. This field must be set to <code>airline</code> in order for airline data to be sent to the processor.  <b>Important</b> If this field is not set to <code>airline</code> or is not included in the request, CyberSource does not send airline data to the processor.	Required	String (7)

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

You must include information for at least the first leg of the trip (leg 0). You must use consecutive numbers for the legs; do not skip a number. If you skip a number, CyberSource ignores the legs that follow the skipped number.

Table 33 Request-Level Fields for Travel Legs

CyberSource Field Name	Lloyds-OmniPay Field Name	Description	Required / Optional	Data Type & Length
airline_leg#_carrier_code	Mastercard: Carrier Code  Visa: Trip Leg <i>n</i> Carrier Code	IATA <sup>1</sup> code for the carrier for this leg of the trip.	Required	String (2)
airline_leg#_class	Mastercard: Service Class Code  Visa: Trip Leg <i>n</i> Service Class	IATA <sup>1</sup> code for the class of service for this leg of the trip, such as coach or first class.  <b>Note</b> For Visa, if there is more than one character, the value will be truncated.	Required	Visa: String (1)  Mastercard: String (2)

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

Table 33 Request-Level Fields for Travel Legs (Continued)

CyberSource Field Name	Lloyds-OmniPay Field Name	Description	Required / Optional	Data Type & Length
airline_leg#_leg_departure_date	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)
airline_leg#_departure_time	Departure Time	Time of departure. The format is HHMM. If not all zeros, then the hours must be 00-23 and the minutes must be 00-59.	Optional for Mastercard Not used for Visa	Integer (4)
airline_leg#_departure_time_segment	Departure Time Segment	AM or PM for the departure time. Possible values: <ul style="list-style-type: none"> <li>■ A: 12:00 midnight to 11:59 a.m.</li> <li>■ P: 12:00 noon to 11:59 p.m.</li> </ul>	Optional for Mastercard Not used for Visa	String (1)
airline_leg#_destination	Mastercard: City of Destination/ Airport Code Visa: Trip Leg <i>n</i> Destination City/ Airport Code	IATA <sup>1</sup> code for the destination airport for this leg of the trip.  <b>Note</b> For Visa, if the number of characters exceeds 3, the value will be truncated.	Required	Visa: String (3)  Mastercard: String (5)
airline_leg#_fare_basis	Mastercard: Fare Basis Code Visa: Trip Leg <i>n</i> - Fare Basis Code	Code for the fare basis for this leg of the trip. The fare basis is assigned by the carriers and indicates a particular ticket type, such as business class or discounted/nonrefundable. For Visa, this field may contain spaces.  <b>Note</b> For Visa, if the number of characters exceeds 6, the value will be truncated.	Optional	Visa: String (6)  Mastercard: String (15)
airline_leg#_flight_number	Mastercard: Flight Number Visa: Trip Leg <i>n</i> - Flight Number	Flight number for this leg of the trip. For Visa, this field may contain spaces.	Optional	String (5)

1 IATA=International Air Transport Association

Table 33 Request-Level Fields for Travel Legs (Continued)

CyberSource Field Name	Lloyds-OmniPay Field Name	Description	Required / Optional	Data Type & Length
airline_leg#_originating_ airport_code	Mastercard: City of Origin/Airport Code  Visa: Origination City/Airport Code	IATA <sup>1</sup> code for the originating airport for this leg of the trip. For Visa, the value for miscellaneous airline changes must be XAA.	Required	String (5)
airline_leg#_stopover_code	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:  ■ O (capital letter "O") (default): Stopover allowed  ■ X (capital letter "X"): Stopover not allowed	Required	String (1)

1 IATA=International Air Transport Association



## Examples

---

### Example 19 Capture Request

---

```

ics_applications=ics_bill
merchant_id=okgo
merchant_ref_number=R98TV09EN200W
industry_datatype=airline
auth_request_id=0839543530000172034078
currency=USD
grand_total_amount=204.78
airline_agent_code=98222147
airline_agent_name=Cyber Vacations
airline_passenger_name=Johnny Smith
airline_ticket_number=02721187251
airline_leg0_leg_departure_date=20061215
airline_leg0_originating_airport_code=SJC
airline_leg0_carrier_code=AA
airline_leg0_destination=SEA
airline_leg0_fare_basis=HL7WNR
airline_leg0_class=H
airline_leg0_stopover_code=0
airline_leg1_departure_date=20061220
airline_leg1_originating_airport_code=SEA
airline_leg1_carrier_code=AA
airline_leg1_destination=SJC
airline_leg1_fare_basis=HL7WNR
airline_leg1_class=H
airline_leg1_stopover_code=0

```

---

### Example 20 Capture Reply

---

```

request_id=0305782650000167905080
ics_rcode=1
ics_rflag=SOK
ics_rmsg=Request was processed successfully.
merchant_ref_number=R98TV09EN200W
currency=USD
bill_rcode=1
bill_rflag=SOK
bill_rmsg=Request was processed successfully.
bill_bill_amount=204.78
bill_trans_ref_no=1094820975023470
bill_enhanced_data_enabled=y

```

---

# OmniPay Direct Airline Data

## Airline Data Processing

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

**Table 34 Airline Data Processing Features for OmniPay Direct**

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

<sup>1</sup> You must include information for at least the first leg of the trip (leg 0). You must use consecutive numbers for the legs; do not skip a number. If you skip a number, CyberSource ignores the legs that follow the skipped number.

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



**Important**

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

**Table 35 General Request-Level Fields**

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

<sup>1</sup> Unless otherwise indicated, the information in this column applies to all card types for which airline data is supported as described in "Airline Data Processing," page 74.

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

Table 35 General Request-Level Fields (Continued)

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

<sup>1</sup> Unless otherwise indicated, the information in this column applies to all card types for which airline data is supported as described in "Airline Data Processing," page 74.

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

Table 35 General Request-Level Fields (Continued)

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

<sup>1</sup> Unless otherwise indicated, the information in this column applies to all card types for which airline data is supported as described in "Airline Data Processing," page 74.

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

Table 35 General Request-Level Fields (Continued)

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

1 Unless otherwise indicated, the information in this column applies to all card types for which airline data is supported as described in "Airline Data Processing," page 74.  
2 IATA=International Air Transport Association

Table 36 Request-Level Fields for Travel Legs

CyberSource Field Name	OmniPay Direct Field Name	Description	Required / Optional <sup>1</sup>	Data Type & Length <sup>1</sup>
airline_leg#_arrival_time	Arrival Time	Time of arrival for this leg of the trip. Format: HHMM	Discover and Diners Club: Opt.  All other card types: not used	String (4)

1 Unless otherwise indicated, the information in this column applies to all the card types for which airline data is supported as described in "Airline Data Processing," page 74.  
2 IATA=International Air Transport Association  
3 A miscellaneous airline charge is a charge that is added to the ticket at the time of booking but is not for essential airline travel details such as carrier, destination, or leg. Examples of miscellaneous airline charges are baggage or upgrade. A miscellaneous airline charge must use non-airline codes. Best practice is to use ancillary data fields for miscellaneous airline charges when using a Visa card.

Table 36 Request-Level Fields for Travel Legs (Continued)

CyberSource Field Name	OmniPay Direct Field Name	Description	Required / Optional <sup>1</sup>	Data Type & Length <sup>1</sup>
airline_leg#_carrier_code	Carrier Code	IATA <sup>2</sup> code for the carrier for this leg of the trip.	Visa: Req. Mastercard, Maestro (UK Domestic), and Maestro (International): Req. for reduced interchange; otherwise, opt. Discover and Diners Club: Opt.	Discover and Diners Club: String (4) All other card types: String (2)
airline_leg#_class	Service Class / Service Class Code / Class of Travel	IATA <sup>2</sup> code for the class of service for this leg of the trip.	Visa: Req. for reduced interchange; otherwise, opt. Mastercard, Maestro (UK Domestic), and Maestro (International): Req. in U.S.; required for reduced interchange in other countries; otherwise, opt. Discover and Diners Club: Opt.	Visa: String (1) Mastercard, Maestro (UK Domestic), and Maestro (International): String (2) Discover and Diners Club: String (1)

1 Unless otherwise indicated, the information in this column applies to all the card types for which airline data is supported as described in "Airline Data Processing," page 74.

2 IATA=International Air Transport Association

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

Table 36 Request-Level Fields for Travel Legs (Continued)

CyberSource Field Name	OmniPay Direct Field Name	Description	Required / Optional <sup>1</sup>	Data Type & Length <sup>1</sup>
airline_leg#_leg_departure_date	Departure Date / Travel Date	Departure date for this leg of the trip. Visa format: MMDDYY Format for all other card types: YYMMDD	Mastercard, Maestro (UK Domestic), and Maestro (International): Req. for reduced interchange; otherwise, opt.  All other card types: Opt.	Integer (6)
airline_leg#_departure_time	Departure Time	Time of departure for this leg of the trip. The format is military time and HHMM: If not all zeros, then the hours must be 00-23 and the minutes must be 00-59.	Visa: not used  All other card types: Opt.	Integer (4)
airline_leg#_departure_time_segment	Departure Time Segment	AM or PM for the departure time for this leg of the trip. Possible values: <ul style="list-style-type: none"> <li>■ A: 12:00 midnight to 11:59 a.m.</li> <li>■ P: 12:00 noon to 11:59 p.m.</li> </ul>	Mastercard, Maestro (UK Domestic), and Maestro (International): Opt.  All other card types: not used	String (1)

1 Unless otherwise indicated, the information in this column applies to all the card types for which airline data is supported as described in "Airline Data Processing," page 74.

2 IATA=International Air Transport Association

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



Table 36 Request-Level Fields for Travel Legs (Continued)

CyberSource Field Name	OmniPay Direct Field Name	Description	Required / Optional <sup>1</sup>	Data Type & Length <sup>1</sup>
airline_leg#_destination	Destination City / Airport Code / City of Destination / Arrival Airport Code	IATA <sup>2</sup> code for the destination airport for this leg of the trip.  For a miscellaneous <sup>3</sup> airline charge with Mastercard, set this value to XAA. For a baggage charge with Mastercard, set this value to XAE.	Visa: Req. for reduced interchange; otherwise, opt.  Mastercard, Maestro (UK Domestic), and Maestro (International): Req. for reduced interchange; otherwise, opt.  Discover and Diners Club: Opt.	Visa: String (3)  Mastercard, Maestro (UK Domestic), and Maestro (International): String (5)  Discover and Diners Club: String (6)
airline_leg#_fare	Fare Amount	Total fare for this leg of the trip.	Discover and Diners Club: Opt.  All other card types: not used	String (15)
airline_leg#_fare_basis	Fare Basis / Fare Basis Code	Code for the fare basis for this leg of the trip. The fare basis is assigned by the carriers and indicates a particular ticket type, such as business class or discounted/nonrefundable.	Opt.	Visa: String (6)  All other card types: String (15)
airline_leg#_flight_number	Flight Number	Flight number for this leg of the trip.	Opt.	Discover and Diners Club: String (4)  All other card types: String (5)

1 Unless otherwise indicated, the information in this column applies to all the card types for which airline data is supported as described in "Airline Data Processing," page 74.

2 IATA=International Air Transport Association

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

Table 36 Request-Level Fields for Travel Legs (Continued)

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

1 Unless otherwise indicated, the information in this column applies to all the card types for which airline data is supported as described in "Airline Data Processing," page 74.

2 IATA=International Air Transport Association

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

**Important**

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

**Table 37 Ancillary Request Fields**

CyberSource Field Name	OmniPay Direct Field Name	Description	Required / Optional <sup>1</sup>	Data Type & Length <sup>1</sup>
ancillary_connected_ticket_number	Issued in Connection with Ticket Number	<p>Number for the airline ticket to which the ancillary purchase is connected.</p> <p>If this purchase has a connection or relationship to another purchase such as a baggage fee for a passenger transport ticket, this field must contain the ticket number for the other purchase.</p> <p>For a stand-alone purchase, the value for this field must be the same as the value for the <b>ancillary_ticket_number</b> field.</p> <p>Transaction will be processed as a non-enhanced authorization at standard rates if this field is not included for an ancillary transaction.</p>	<p>Visa: Req. for ancillary purchases</p> <p>All other card types: not used</p>	String (15)
ancillary_credit_reason_indicator	Credit Reason Indicator 1	<p>Reason for the credit. Possible values:</p> <ul style="list-style-type: none"> <li>■ A: Cancellation of ancillary purchase.</li> <li>■ B: Cancellation of airline ticket and ancillary purchase.</li> <li>■ O: Other.</li> </ul>	<p>Visa: Opt.</p> <p>All other card types: not used</p>	String (1)
ancillary_passenger_name	Passenger Name	<p>Name of the passenger. If the passenger's name is not available, this value is the cardholder's name. If neither the passenger's name nor the cardholder's name is available, this value is a description of the ancillary purchase.</p>	<p>Visa: Req. for reduced interchange; otherwise, opt.</p> <p>All other card types: not used</p>	String (20)

<sup>1</sup> Unless otherwise indicated, the information in this column applies to all the card types for which airline data is supported as described in "Airline Data Processing," page 74.

Table 37 Ancillary Request Fields (Continued)

CyberSource Field Name	OmniPay Direct Field Name	Description	Required / Optional <sup>1</sup>	Data Type & Length <sup>1</sup>
ancillary_service#_category_code	Ancillary Service Category N	Category code for the ancillary service that is provided. See "Ancillary Service Category Codes," page 87. <b>Note</b> # is 0, 1, 2, or 3.	Visa: Req. for ancillary purchases  All other card types: not used	String (4)
ancillary_service#_subcategory_code	Ancillary Service Sub-Category N	Subcategory code associated with the ancillary service category. Obtain the codes from the International Air Transport Association (IATA). <b>Note</b> # is 0, 1, 2, or 3.	Visa: Opt.  All other card types: not used	String (4)
ancillary_ticket_number	Ancillary Ticket / Document Number	Form number assigned by the carrier.	Visa: Req. when the purpose of the ancillary transaction is to obtain airline rates.  All other card types: not used	String (15)
<p><sup>1</sup> Unless otherwise indicated, the information in this column applies to all the card types for which airline data is supported as described in "Airline Data Processing," page 74.</p>				

## Examples

---

### Example 21 Capture Request with Airline Data

---

```

ics_applications=ics_bill
merchant_id=World Wide Travel
merchant_ref_number=R98TV09EN200W
industry_datatype=airline
auth_request_id=0839543530000172034078
currency=EUR
grand_total_amount=204.78
airline_agent_code=98222147
airline_agent_name=Cyber Vacations
airline_passenger_name=Jane Smith
airline_restricted_ticket_indicator=0
airline_ticket_number=02721187251
airline_leg0_class=H
airline_leg0_leg_departure_date=121516
airline_leg0_departure_time=0931
airline_leg0_departure_time_segment=A
airline_leg0_carrier_code=AA
airline_leg0_destination=CDG
airline_leg0_fare_basis=HL7WNR
airline_leg1_class=H
airline_leg1_departure_date=122016
airline_leg1_departure_time=1625
airline_leg1_departure_time_segment=P
airline_leg1_carrier_code=AA
airline_leg1_destination=LHR
airline_leg1_fare_basis=HL7WNR

```

---

### Example 22 Capture Reply with Airline Data

---

```

request_id=0305782650000167905080
ics_rcode=1
ics_rflag=SOK
ics_rmsg=Request was processed successfully.
merchant_ref_number=R98TV09EN200W
currency=EUR
bill_rcode=1
bill_rflag=SOK
bill_rmsg=Request was processed successfully.
bill_bill_amount=204.78
bill_trans_ref_no=1094820975023470
bill_enhanced_data_enabled=y

```

---

**Example 23 Capture Request with Ancillary Data**

---

```
ics_applications=ics_bill
merchant_id=World Wide Travel
merchant_ref_number=ABCDEFG0123456
industry_datatype=airline
auth_request_id=4685801292856003701540
currency=GBP
grand_total_amount=234.00
ancillary_ticket_number=BA123456
ancillary_service0_category_code=BF
ancillary_passenger_name=Jane Smith
ancillary_credit_reason_indicator=A
ancillary_connected_ticket_number=BA1234567
```

---

**Example 24 Capture Reply with Ancillary Data**

---

```
request_id=4685801304916003801540
ics_rcode=1
ics_rflag=SOK
ics_rmsg=Request was processed successfully.
merchant_ref_number=ABCDEFG0123456
currency=GBP
bill_rcode=1
bill_rflag=SOK
bill_rmsg=Request was processed successfully.
bill_bill_amount=234.00
bill_trans_ref_no=5406772989
bill_enhanced_data_enabled=y
```

---

## Ancillary Service Category Codes

**Table 38 Ancillary Service Category Codes**

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

# Streamline Airline Data

## Airline Data Processing

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

**Table 39** Airline Data Processing Features for Streamline

Feature	Description
Supported Card Types	Visa Mastercard Maestro (UK Domestic) Maestro (International) Cartes Bancaires Dankort
Travel Legs	Maximum number of travel legs: 4 Numbering for the travel legs: 0 to 3  You must include information for at least the first leg of the trip (leg 0). You must use consecutive numbers for the legs; do not skip a number. If you skip a number, CyberSource ignores the legs that follow the skipped number.
Specification used by CyberSource to implement airline data processing	<i>Direct Communication Supplement v22</i>



## Miscellaneous Charge Orders (MCOs)

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

Include the following values in an MCO request:

- `airline_leg0_originating_airport_code=XAA`
- `airline_leg0_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-Level 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 SCMP API](#).

**Table 40 General Request-Level Fields**

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

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

Table 40 General Request-Level Fields (Continued)

CyberSource Field Name	Streamline Field Name	Description	Required / Optional	Data Type & Length
airline_ticket_number	Ticket Number	<p>Ticket number.</p> <p>If the ticket number is numeric, use this format:</p> <ul style="list-style-type: none"> <li>Bits 1-2: Zeros</li> <li>Bits 3-5: IATA<sup>1</sup> number</li> <li>Bits 6-15: Ticket number</li> <li>Bit 16: Check digit</li> </ul> <p>If the ticket number is alphanumeric, use this format:</p> <ul style="list-style-type: none"> <li>Bits 1-15: Ticket number, right justified</li> <li>Bit 16: [space] (A space indicates that the bit is reserved.)</li> </ul>	Required	String (16)
industry_datatype	No corresponding processor field	<p>Flag that indicates that the transaction includes airline data. This field must be set to <code>airline</code> in order for airline data to be sent to the processor.</p> <p><b>Important</b> If this field is not set to <code>airline</code> or is not included in the request, CyberSource does not send airline data to the processor.</p>	Required	String (7)
<p>1 IATA=International Air Transport Association</p>				

You must include information for at least the first leg of the trip (leg 0). You must use consecutive numbers for the legs; do not skip a number. If you skip a number, CyberSource ignores the legs that follow the skipped number.

**Table 41 Request-Level Fields for Travel Legs**

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

Table 41 Request-Level Fields for Travel Legs (Continued)

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

1 IATA=International Air Transport Association

# Example

## Example 25 Capture Request

```

merchant_id=regenttravel
ics_applications=ics_bill
industry_datatype=airline
merchant_ref_number=R98TV09EN200W
auth_request_id=0839543530000172034078
currency=GBP
grand_total_amount=204.78
airline_agent_code=98222147
airline_agent_name=Regent Travel
airline_ticket_number=1234567890123450
airline_passenger_name=John Smith
airline_leg0_carrier_code=VS
airline_leg0_class=C
airline_leg0_destination=LGW
airline_leg0_leg_departure_date=080812
airline_leg0_originating_airport_code=GLA

```

# TSYS Acquiring Solutions Airline Data

## Airline Data Processing

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

**Table 42 Airline Data Processing Features for TSYS Acquiring Solutions**

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

<sup>1</sup> You must include information for at least the first leg of the trip (leg 0). You must use consecutive numbers for the legs; do not skip a number. If you skip a number, CyberSource ignores the legs that follow the skipped number.



**Note**

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

## Multiple Captures

---

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

- `airline_clearing_count`
- `airline_clearing_sequence`
- `capture_sequence`
- `capture_total_count`

For information about `airline_clearing_count` and `airline_clearing_sequence`, see [Table 45, "General Request-Level Fields for Capture and Credit Requests," on page 97](#). For information about `capture_sequence` and `capture_total_count`, see [Credit Card Services Using the SCMP API](#).

## Request-Level Fields for Authorization Requests

The tables of request fields describe the airline 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 SCMP API](#).

**Table 43 General Request Fields for Authorization Requests**

CyberSource Field Name	TSYS Acquiring Solutions Field Name	Description	Required / Optional	Data Type & Length
airline_number_of_passengers	Number of Passengers	Number of passengers for whom the ticket was issued.	Required	Integer (3)
airline_passenger_name	Passenger Name	Name of the passenger to whom the ticket was issued. Do not include special characters such as commas, hyphens, or apostrophes. Only ASCII characters are supported.  Format: LASTNAME~FIRST~INIT~TITLE where “~” is a space  <b>Example</b> FROST~JANE~M~MRS	Required	String (23)
airline_ticket_number	Reservation Code	Reservation code. This value is a precursor to the ticket number and corresponds to the airline ticket purchase reservation.	Required	String (15)
industry_datatype	No corresponding processor field	Flag that indicates that the transaction includes airline data. This field must be set to <code>airline</code> in order for airline data to be sent to the processor.  <b>Important</b> If this field is not set to <code>airline</code> or is not included in the request, CyberSource does not send airline data to the processor.	Required	String (7)

You must include information for at least the first leg of the trip (leg 0). You must use consecutive numbers for the legs; do not skip a number. If you skip a number, CyberSource ignores the legs that follow the skipped number.

**Table 44 Travel Leg Request Fields for Authorization Requests**

<b>CyberSource Field Name</b>	<b>TSYS Acquiring Solutions Field Name</b>	<b>Description</b>	<b>Required / Optional</b>	<b>Data Type &amp; Length</b>
airline_leg#_carrier_code	Airline Carriers	IATA <sup>1</sup> code for the carrier for this leg of the trip.	Required for each leg	String (2)
airline_leg#_leg_departure_date	Departure Date	Departure date for the first leg of the trip. Format: YYYYMMDD.	Required	Integer (8)
airline_leg#_destination	Destination and Routing Cities	IATA <sup>1</sup> code for the destination airport for this leg of the trip.	Required for each leg	String (5)
airline_leg#_fare_basis	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)
airline_leg#_originating_airport_code	Origin	IATA <sup>1</sup> code for the originating airport for the first leg of the trip.	Required	String (5)

1 IATA=International Air Transport Association



## Request-Level Fields for Capture and Credit Requests

The tables of request fields describe the airline 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 SCMP API](#).

**Table 45 General Request-Level Fields for Capture and Credit Requests**

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

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

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

You must include information for at least the first leg of the trip (leg 0). You must use consecutive numbers for the legs; do not skip a number. If you skip a number, CyberSource ignores the legs that follow the skipped number.

**Table 46 Travel Leg Request-Level Fields for Capture and Credit Requests**

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

1 IATA=International Air Transport Association

## Examples

---

### Example 26 Authorization Request

---

```

ics_applications=ics_auth
merchant_id=okgo
merchant_ref_number=R98TV09EN200W
industry_datatype=airline
customer_firstname=Jane
customer_lastname=Smith
bill_address1=1295 Charleston Rd.
bill_city=Mountain View
bill_state=CA
bill_zip=94043
bill_country=US
customer_phone=650-965-6000
customer_email=jsmith@example.com
customer_cc_number=4111111111111111
card_type=Visa
customer_cc_expmo=09
customer_cc_expyr=2011
currency=USD
grand_total_amount=204.78
airline_number_of_passengers=1
airline_passenger_name=Jane Smith
airline_ticket_number=02721187251
airline_leg0_carrier_code=AA
airline_leg0_leg_departure_date=20070711
airline_leg0_originating_airport_code=SJC
airline_leg0_destination=SEA
airline_leg0_fare_basis=HL7WNR
airline_leg1_carrier_code=AA
airline_leg1_destination=SJC

```

---

### Example 27 Authorization Reply

---

```

request_id=0305782650000167905080
ics_rcode=1
ics_rflag=SOK
ics_rmsg=Request was processed successfully.
merchant_ref_number=R98TV09EN200W
currency=USD
auth_rcode=1
auth_rflag=SOK
auth_rmsg=Request was processed successfully.
auth_auth_amount=204.78
auth_enhanced_data_enabled=y
auth_auth_avs=Y
auth_auth_code=123456
auth_auth_response=A

```

---

**Example 28 Capture Request**

---

```
ics_applications=ics_bill
merchant_id=okgo
merchant_ref_number=R98TV09EN200W
industry_datatype=airline
auth_request_id=0839543530000172034078
currency=USD
grand_total_amount=204.78
airline_passenger_name=Johnny Smith
airline_restricted_ticket_indicator=1
airline_ticket_number=02721187251
airline_leg0_leg_departure_date=20061215
airline_leg0_originating_airport_code=SJC
airline_leg0_carrier_code=AA
airline_leg0_destination=SEA
airline_leg0_class=H
airline_leg0_stopover_code=X
```

---

**Example 29 Capture Reply**

---

```
request_id=0305782650000167905080
ics_rcode=1
ics_rflag=SOK
ics_rmsg=Request was processed successfully.
merchant_ref_number=R98TV09EN200W
currency=USD
bill_rcode=1
bill_rflag=SOK
bill_rmsg=Request was processed successfully.
bill_bill_amount=204.78
bill_trans_ref_no=1094820975023470
bill_enhanced_data_enabled=y
```

---

# UATP Airline Data

## Airline Data Processing

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

**Table 47** Airline Data Processing Features for UATP

Feature	Description
Supported Card Type	UATP in capture and credit requests
Travel Legs	<p>Maximum number of travel legs: 4 Numbering for the travel legs: 0 to 3</p> <p>You must include information for at least the first leg of the trip (leg 0). You must use consecutive numbers for the legs; do not skip a number. If you skip a number, CyberSource ignores the legs that follow the skipped number.</p>
Specification used by CyberSource to implement airline data processing	UATP's <i>ATCAN Specification</i> , version 2.30

## Invoice Number

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

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

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-Level 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 SCMP API](#).

**Table 48 General Request Fields**

CyberSource Field Name	UATP Field Name	Description	Required / Optional	Data Type & Length
airline_invoice_date	Invoice Date (INVD)	Invoice date. The format is YYYYMMDD. If this value is included in the request, it is used in the creation of the invoice number. See <a href="#">"Invoice Number," page 102</a> .	Optional	Integer (8)
airline_passenger_name	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)
bill_trans_ref_no	Ticket/Document Number (TDNR)	Reference number or identifier for the ticket. Use this field only with captures.  You must include this number because CyberSource does not generate it. This value must consist of 15 alphanumeric characters. The first 3 digits must be the airline code. The rest of the value can contain the booking reference or a unique numbering sequence followed by underscore padding. This value must be padded out to 15 characters using the underscore ( ) character.	Required	String (15)

Table 48 General Request Fields (Continued)

CyberSource Field Name	UATP Field Name	Description	Required / Optional	Data Type & Length
credit_trans_ref_no	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	String (15)

You must include information for at least the first leg of the trip (leg 0). You must use consecutive numbers for the legs; do not skip a number. If you skip a number, CyberSource ignores the legs that follow the skipped number.

Table 49 Request Fields for Travel Legs

CyberSource Field Name	UATP Field Name	Description	Required / Optional	Data Type & Length
airline_leg#_carrier_code	Carrier (CARR)	IATA <sup>1</sup> code for the carrier for this leg of the trip.	Optional	String (4)
airline_leg#_leg_departure_date	Flight Date (FTDA)	Departure date for the first leg of the trip. The format is YYYYMMDD.	Optional	Integer (8)
airline_leg#_destination	Destination Airport/City Code (DSTC)	IATA <sup>1</sup> code for the destination airport for this leg of the trip.	Optional	String (5)
airline_leg#_fare_basis	Fare Basis/Ticket Designator (FBTD)	Code for the fare basis for this leg of the trip. The fare basis is assigned by the carriers and indicates a particular ticket type, such as business class or discounted/nonrefundable.	Optional	String (15)

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



Table 49 Request Fields for Travel Legs (Continued)

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

1 IATA=International Air Transport Association

## Examples

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### Example 30 Capture Request

---

```
cs_applications=ics_bill
merchant_id=okgo
merchant_ref_number=R98TV09EN200W
auth_request_id=0839543530000172034078
bill_trans_ref_no=98R33X7
currency=USD
grand_total_amount=204.78
airline_passenger_name=Johnny Smith
airline_leg0_carrier_code=AA
airline_leg0_leg_departure_date=20061215
airline_leg0_originating_airport_code=SJC
airline_leg0_destination=SEA
airline_leg1_carrier_code=AA
airline_leg1_destination=SJC
```

---

### Example 31 Capture Reply

---

```
request_id=0305782650000167905080
ics_rcode=1
ics_rflag=SOK
ics_rmsg=Request was processed successfully.
merchant_ref_number=R98TV09EN200W
currency=USD
bill_rcode=1
bill_rflag=SOK
bill_rmsg=Request was processed successfully.
bill_bill_amount=204.78
bill_trans_ref_no=1094820975023470
bill_enhanced_data_enabled=y
```

---

# Airline Document Type Codes

**Table 50 Airline Document Type Codes**

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

**Table 50 Airline Document Type Codes (Continued)**

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

**Table 50 Airline Document Type Codes (Continued)**

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