

Service Fee Processing Using the SCMP API

Supplement to
*Credit Card Services
Using the SCMP API*
and
*Electronic Check Services
Using the SCMP API*

June 2018

CyberSource[®]
the power of payment

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Recent Revisions to This Document

Release	Changes
June 2018	This revision contains only editorial changes and no technical updates.
August 2017	Moved the relaxed requirements information to a web page: Relaxed Requirements for Address Data and Expiration Date page .
March 2017	<p>Added information for credit cards:</p> <ul style="list-style-type: none"> ■ Final authorization indicator. See "Authorizing the Principal Amount and Service Fee," page 11. ■ Multiple captures. See "Capturing the Principal Amount and Service Fee," page 12. ■ Voids. See "Voiding a Capture or Credit," page 16. <p>Added information for electronic checks for voids. See "Voiding a Debit or Credit," page 20.</p>
March 2016	Added relaxed requirements for address data and expiration date for credit card transactions. See " Relaxed Requirements for Address Data and Expiration Date ," page 9.
September 2014	<p>Added information for requesting a credit:</p> <ul style="list-style-type: none"> ■ For credit cards, see "Crediting the Principal Amount and Service Fee," page 14. ■ For electronic checks, see "Crediting the Principal and Service Fee," page 19.
July 2014	This revision contains only editorial changes and no technical updates.
May 2014	Initial release.

About This Guide

Audience and Purpose

This guide is written for application developers who want to use the CyberSource SCMP API to integrate service fees into their order management system. You can use service fees with credit card processing and electronic check processing.

Implementing the CyberSource credit card services and electronic check 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

Notes and Important Statements



Note

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



Important

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

Text and Command Conventions

Convention	Usage
bold	<ul style="list-style-type: none"> Field and service names in text; for example: Include the ics_applications field. Items that you are instructed to act upon; for example: Click Save.
<i>italic</i>	<ul style="list-style-type: none"> Filenames and pathnames. For example: Add the filter definition and mapping to your <i>web.xml</i> file. Placeholder variables for which you supply particular values.
screen text	<ul style="list-style-type: none"> XML elements Code examples Values for API fields; for example: Set the ics_applications field to <code>ics_auth</code>.

Related Documents

- *Getting Started with CyberSource Advanced for the SCMP API* ([PDF](#) | [HTML](#))
- *Credit Card Services Using the SCMP API* ([PDF](#) | [HTML](#))
- *Electronic Check Services Using the SCMP API* ([PDF](#) | [HTML](#))
- *Secure Acceptance Silent Order POST Development Guide* ([PDF](#) | [HTML](#))
- *Secure Acceptance Web/Mobile Configuration Guide* ([PDF](#) | [HTML](#))

Refer to the Support Center for complete CyberSource technical documentation:

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

Customer Support

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

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

Service Fees in Credit Card Transactions

CyberSource service fee processing works with the CyberSource credit card services, which are described in [Credit Card Services Using the SCMP API](#). Service fees are supported for FDC Nashville Global for the following card types:

- Visa
- Mastercard
- American Express
- Discover

Requirements

As part of the checkout process on your web site, you must display a terms and conditions statement for the service fee. A customer must accept the terms and conditions before submitting an order.

To enable the service fee feature, contact CyberSource Customer Support to have your CyberSource account configured for this feature.

Limitations

Service fees have the following limitations:

- Airline data is supported only for the principal amount, not for the service fee.
- Level II and Level III data are supported only for the principal amount, not for the service fee.
- The following features are not supported for transactions that include service fees:
 - AVS
 - CVN
 - Partial authorizations
 - Verbal authorizations

Merchant Reference Numbers

CyberSource provides a service that prevents duplicate merchant reference numbers for transactions. When this service is turned on for service fee transactions, the merchant reference numbers cannot be duplicated from the principle transaction to the service fee transaction, which causes the service fee transaction to fail. To prevent this kind of failure, CyberSource updated the service to allow duplicate merchant reference numbers for service fee transactions even when the service is turned on.

For more information about this service, or to turn the service on or off, contact CyberSource Customer Support.

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 [Relaxed Requirements for Address Data and Expiration Date page](#).

Processing a Service Fee

**Note**

The fields mentioned in this section are described in "[Request-Level Fields](#)," [page 22](#). Additional fields for authorizations, authorization reversals, captures, credits, and voids are described in [Credit Card Services Using the SCMP API](#).

Service fees in credit card transactions are processed in the following services:

- Service fee calculation
- Authorization
- Full authorization reversal
- Capture
- Credit
- Void
- Authorization reversal after void

Calculating the Service Fee

- 1 You include the following required fields in your request for the service fee calculate service:
 - `currency`
 - `customer_cc_number`
 - `grand_total_amount` or at least one offer-level amount field.
 - `ics_applications`: Set this field to `ics_service_fee_calculate`.
 - `merchant_id`
 - `merchant_ref_number`
- 2 One of the fields that CyberSource includes in the reply message is **`service_fee_calculate_amount`**.

Authorizing the Principal Amount and Service Fee

- 1 You include the following fields in your authorization request:
 - `ignore_avs`: Set this field to `yes`.
 - `ignore_bad_cv`: Set this field to `yes`.
 - `service_fee_amount`: Set this field to the value of the **`service_fee_calculate_amount`** field that you received in the service fee calculate reply message.



Note

The final authorization indicator is supported on FDC Nashville Global.

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

For information about creating an authorization request, see [Credit Card Services Using the SCMP API](#).



Important

CyberSource always provides the following service fee merchant descriptor values to FDC Nashville Global for all service fee authorization transactions:

- `service_fee_merchant_descriptor`
- `service_fee_merchant_descriptor_contact`
- `service_fee_merchant_descriptor_state`

For each service fee merchant descriptor, when you do not include the merchant descriptor value in your request, CyberSource uses the value that is in your CyberSource account. When the value is not included in your request or in your CyberSource account, FDC Nashville Global uses the value that is in your First Data merchant master file.

To add a merchant descriptor value to your CyberSource account, contact CyberSource Customer Support.

- 2 CyberSource sends an authorization request for the principal amount to the processor.
The *principal amount* is either the value of **grand_total_amount** or the sum of the amounts for all of the offers in the transaction.
- 3 If the authorization for the principal amount fails, CyberSource returns the pertinent error information to you in the reply message, and none of the remaining events in this description occur.
- 4 If the authorization for the principal amount succeeds, CyberSource sends an authorization request for the service fee to the processor.
CyberSource sends the same authorization indicator value that was sent in the authorization request for the principal amount.
- 5 If the authorization for the service fee fails, CyberSource reverses the authorization for the principal amount and returns the pertinent error information to you in the reply message, and none of the remaining events in this description occur.

Reversing an Authorization

If you decide to reverse the authorizations instead of capturing them, you must include the following values in your request for a full authorization reversal:

- Principal amount, which is either the value of **grand_total_amount** or the sum of the amounts for all the offers in the transaction
- `service_fee_amount`

For information about creating a request to reverse an authorization, see [Credit Card Services Using the SCMP API](#).

Capturing the Principal Amount and Service Fee

- 1 If the authorization for the service fee succeeds, you include the following values in your capture request:
 - Principal amount, which is either the value of **grand_total_amount** or the sum of the amounts for all the offers in the transaction
 - `service_fee_amount`



Important

CyberSource always provides the following service fee merchant descriptor values to FDC Nashville Global for all service fee capture transactions:

- `service_fee_merchant_descriptor`
- `service_fee_merchant_descriptor_contact`
- `service_fee_merchant_descriptor_state`

For each service fee merchant descriptor, when you do not include the merchant descriptor value in your request, CyberSource uses the value that is in your CyberSource account. When the value is not included in your request or in your CyberSource account, FDC Nashville Global uses the value that is in your First Data merchant master file.

To add a merchant descriptor value to your CyberSource account, contact CyberSource Customer Support.

Multiple captures are supported for the principal amount and service fee amount. In the first capture request, you must include the entire service fee amount that was authorized, or you can split the service fee amount between the first and subsequent capture requests. CyberSource recommends that you include the full service fee in the first capture request.

Include the following special request fields in each capture request when you are requesting multiple partial captures:

- `capture_sequence`
- `capture_total_count`

For information about creating a capture request and multiple captures, see [Credit Card Services Using the SCMP API](#).

- 2 CyberSource examines the principal capture amount to determine whether it qualifies to be sent to the processor.

The principal capture amount qualifies to be sent to the processor when any of the following statements are true:

- It equals the authorized principal amount.
- It is less than the authorized principal amount.
- It exceeds the authorized principal amount, and your CyberSource account is configured to allow capture amounts to exceed authorized amounts.

The principal capture amount does not qualify to be sent to the processor when any of the following statements are true:

- It is not included in the request.
 - It is an invalid value.
 - It exceeds the authorized principal amount, and your CyberSource account is not configured to allow capture amounts to exceed authorized amounts.
- 3** If the principal capture amount does not qualify to be sent to the processor, CyberSource returns the pertinent error information to you in the reply message. CyberSource does not submit the capture requests to the processor and does not reverse the authorized amounts, and none of the remaining events in this description occur.



Note

You can correct the principal capture amount and resend the capture request.

- 4** If the principal capture amount qualifies to be sent to the processor, CyberSource examines the service fee capture amount to determine whether it qualifies to be sent to the processor.

The service fee capture amount qualifies to be sent to the processor when any of the following statements are true:

- It equals the authorized service fee amount.
- It is less than the authorized service fee amount.
- It exceeds the authorized service fee amount, and your CyberSource account is configured to allow capture amounts to exceed authorized amounts.

The service fee capture amount does not qualify to be sent to the processor when any of the following statements are true:

- It is not included in the request.
 - It is an invalid value.
 - It exceeds the authorized service fee amount, and your CyberSource account is not configured to allow capture amounts to exceed authorized amounts.
 - The authorization request did not include a service fee amount.
- 5** If the service fee capture amount does not qualify to be sent to the processor, CyberSource returns the pertinent error information to you in the reply message. CyberSource does not submit the capture requests to the processor and does not reverse the authorized amounts, and none of the remaining events in this description occur.



Note

If the authorization and capture requests included a service fee amount, you can correct the service fee capture amount and resend the capture request.

If the authorization request did not include a service fee amount, you can resend the capture request without the service fee amount.

- 6 If the service fee capture amount qualifies to be sent to the processor, CyberSource sends the following requests to the processor:
 - Capture request for the principal amount.
 - Capture request for the service fee amount.
- 7 If one or both captures fail, CyberSource returns the pertinent error information to you in the reply message, and none of the remaining events in this description occur.
If one capture fails and the other capture succeeds, CyberSource does not void the successful capture.
- 8 If both captures succeed, you have successfully authorized and captured the principal amount and the service fee.

Crediting the Principal Amount and Service Fee

- 1 You can credit the principal amount, the service fee amount, or both amounts (optional).
 - To credit only the principal amount, include one of the following values in your credit request:
 - `grand_total_amount`
 - Sum of the amounts for all offers in the transaction
 - To credit only the service fee amount, include the following fields and values in your credit request:
 - `service_fee_amount`
 - `grand_total_amount = 0` (zero)
 - `bill_request_id` = request ID that was returned in the capture reply for the principal amount
 - To credit both amounts, include the following values in your credit request:
 - Either the value of **`grand_total_amount`** or the sum of the amounts for all the offers in the transaction
 - `service_fee_amount`

**Important**

CyberSource always provides the following service fee merchant descriptor values to FDC Nashville Global for all service fee capture transactions:

- service_fee_merchant_descriptor
- service_fee_merchant_descriptor_contact
- service_fee_merchant_descriptor_state

When you do not include the merchant descriptor value in your request, CyberSource uses the value that is in your CyberSource account; this applies for each service fee descriptor. When the value is not included in your request or in your CyberSource account, FDC Nashville Global uses the value that is in your First Data merchant master file.

To add a merchant descriptor value to your CyberSource account, contact CyberSource Customer Support.

For information about creating a credit request, see [Credit Card Services Using the SCMP API](#).

- 2 If the service fee credit amount qualifies to be sent to the processor, CyberSource sends the following requests to the processor:
 - Credit request for the principal amount
 - Credit request for the service fee amount
- 3 If one or both credits fail, CyberSource returns the pertinent error information to you in the reply message, and none of the remaining events in this description occur.
If one credit fails and the other credit succeeds, CyberSource does not void the successful credit.
- 4 If both credits succeed, you have successfully credited the principal amount and the service fee.

Voiding a Capture or Credit

You can void captures and credits.

For information about voiding captures and credits, see [Credit Card Services Using the SCMP API](#).

Reversing an Authorization after a Void

If you decide to reverse the authorizations after a void, you must include the following values in your request for a full authorization reversal:

- Principal amount, which is either the value of **grand_total_amount** or the sum of the amounts for all the offers in the transaction
- `service_fee_amount`

For information about authorization reversal after void (ARAV), see [Credit Card Services Using the SCMP API](#).

Service Fees in Electronic Check Transactions

CyberSource service fee processing works with the CyberSource electronic check services, which are described in *Electronic Check Services Using the SCMP API*. Service fees are supported for the CyberSource ACH Service.

Requirements

As part of the checkout process on your web site, you must display a terms and conditions statement for the service fee. A customer must accept the terms and conditions before submitting an order.

To enable the service fee feature, contact CyberSource Customer Support to have your CyberSource account configured for this feature.

Merchant Reference Numbers

CyberSource provides a service that prevents duplicate merchant reference numbers for transactions. When this service is turned on for service fee transactions, the merchant reference numbers cannot be duplicated from the principle transaction to the service fee transaction, which causes the service fee transaction to fail. To prevent this kind of failure, CyberSource updated the service to allow duplicate merchant reference numbers for service fee transactions even when the service is turned on.

For more information about this service, or to turn the service on or off, contact CyberSource Customer Support.

Processing a Service Fee



Note

The fields mentioned in this section are described in "Request-Level Fields," page 22. Additional fields for the debit service are described in *Electronic Check Services Using the SCMP API*.

Service fees in electronic check transactions are processed in the following services:

- Service fee calculation
- Debit
- Credit

Calculating the Service Fee

- 1 You include the following required fields in your request for the service fee calculate service:
 - currency
 - ecp_account_number
 - grand_total_amount or at least one offer-level amount field.
 - ics_applications: Set this field to `ics_service_fee_calculate`.
 - merchant_id
 - merchant_ref_number
- 2 One of the fields that CyberSource includes in the reply message is **service_fee_calculate_amount**.

Debiting the Principal and Service Fee

- 1 You include the **service_fee_amount** field in your debit request.
Set this field to the value of the **service_fee_calculate_amount** field that you received in the service fee calculate reply message.

For information about creating a debit request, see *Electronic Check Services Using the SCMP API*.
- 2 CyberSource sends a debit request for the principal amount to the processor.
The *principal amount* is either the value of **grand_total_amount** or the sum of the amounts for all of the offers in the transaction.
- 3 If the debit for the principal amount fails, CyberSource returns the pertinent error information to you in the reply message, and none of the remaining events in this description occur.

- 4 If the debit for the principal amount succeeds, CyberSource sends a debit request for the service fee to the processor.
- 5 If the debit for the service fee fails, CyberSource returns the pertinent error information to you in the reply message, and none of the remaining events in this description occur.
- 6 If the debit for the service fee succeeds, you have successfully debited the principal amount and the service fee.

Crediting the Principal and Service Fee

- 1 You can credit the principal amount, the service fee amount, or both amounts (optional).
 - To credit only the principal amount, include one of the following values in your credit request:
 - grand_total_amount
 - Sum of the amounts for all offers in the transaction
 - To credit only the service fee amount, include the following fields and values in your credit request:
 - service_fee_amount
 - grand_total_amount = 0 (zero)
 - ecp_debit_request_id = request ID that was returned in the debit reply for the principal amount
 - To credit both amounts, include the following values in your credit request:
 - Either the value of **grand_total_amount** or the sum of the amounts for all the offers in the transaction
 - service_fee_amount

For information about creating a credit request, see [Electronic Check Services Using the SCMP API](#).

- 2 If the service fee credit amount qualifies to be sent to the processor, CyberSource sends the following requests to the processor:
 - Credit request for the principal amount
 - Credit request for the service fee amount
- 3 If one or both credits fail, CyberSource returns the pertinent error information to you in the reply message, and none of the remaining events in this description occur.
If one credit fails and the other credit succeeds, CyberSource does not void the successful credit.

- 4 If both credits succeed, you have successfully authorized and credited the principal amount and the service fee.

Voiding a Debit or Credit

You can void debits and credits.

For information about voiding debits and credits, see [Electronic Check Services Using the SCMP API](#).

API Fields

Formatting Restrictions

Unless otherwise noted, all fields are order and case insensitive and the fields accept special characters such as @, #, and %.



Note

Values for request-level and offer-level fields must not contain carets (^) or colons (:). However, they can contain embedded spaces and any other printable characters. When you use more than one consecutive space, CyberSource removes the extra spaces.

Data Type Definitions

Table 1 Data Type Definitions

Data Type	Description
Date and time	Format is YYYY-MM-DDThhmmssZ, where: <ul style="list-style-type: none"> ■ T separates the date and the time ■ Z indicates Coordinated Universal Time (UTC), also known as Greenwich Mean Time (GMT) Example 2016-08-11T224757Z equals August 11, 2016, at 22:47:57 (10:47:57 p.m.)
Decimal	Number that includes a decimal point Example 23.45, -0.1, 4.0, 90809.0468
Integer	Whole number {..., -3, -2, -1, 0, 1, 2, 3, ...}
Nonnegative integer	Whole number greater than or equal to zero {0, 1, 2, 3, ...}
Positive integer	Whole number greater than zero {1, 2, 3, ...}
String	Sequence of letters, numbers, spaces, and special characters

Request-Level Fields

Table 2 Request-Level Fields

Field	Description	Used By: Required (R) or Optional (O)	Data Type & Length
currency	Currency used for the order. For the possible values, see the ISO Standard Currency Codes .	ics_service_fee_calculate (R)	String (5)
customer_cc_number	Customer's credit card number.	ics_service_fee_calculate (R)	Nonnegative integer (20)
grand_total_amount	Grand total for the order. This value cannot be negative. You can include a decimal point (.), but you cannot include any other special characters. CyberSource truncates the amount to the correct number of decimal places.	ics_service_fee_calculate (You must include either this field or offer0 and the offer-level field amount . For information about offers and grand totals, see Getting Started with CyberSource Advanced for the SCMP API .)	Decimal (15)
ics_applications	CyberSource services to process for the request. Set this field to ics_service_fee_calculate.	ics_service_fee_calculate (R)	String (255)
ignore_avs	<p>Flag that indicates whether to allow the authorization for the service fee to run even when the authorization for the principal amount receives an AVS decline, as indicated by a reply flag value of DAVSNO. For successful service fee processing, set this value to <i>yes</i>.</p> <p>Possible values:</p> <ul style="list-style-type: none"> ■ <i>yes</i>: Ignore the results of AVS checking and run the authorization for the service fee. ■ <i>no</i> (default): If the authorization receives an AVS decline, do not run the authorization for the service fee. <p>When the value of this field is <i>yes</i>, the list in the decline_avs_flags field is ignored.</p>	ics_auth (Required for service fee transactions)	String (3)

1 To add this value to your CyberSource account, contact CyberSource Customer Support.

Table 2 Request-Level Fields (Continued)

Field	Description	Used By: Required (R) or Optional (O)	Data Type & Length
ignore_bad_cv	<p>Flag that indicates whether to allow the authorization for the service fee to run even when the authorization for the principal amount receives a CVN decline, as indicated by an auth_cv_result value of D or N. For successful service fee processing, set this value to <i>yes</i>.</p> <p>Possible values:</p> <ul style="list-style-type: none"> ■ <i>yes</i>: Ignore the results of CVN checking and run the authorization for the service fee. ■ <i>no</i> (default): If the authorization receives a CVN decline, do not run the authorization for the service fee. 	ics_auth (Required for service fee transactions)	String (3)
merchant_id	Your CyberSource merchant ID. Use the same merchant ID for evaluation, testing, and production.	ics_service_fee_calculate (R)	String (30)
merchant_ref_number	Merchant-generated order reference or tracking number. CyberSource recommends that you send a unique value for each transaction so that you can perform meaningful searches for the transaction. For information about tracking orders, see Getting Started with CyberSource Advanced for the SCMP API .	ics_service_fee_calculate (R)	String (50)
service_fee_amount	Service fee.	ics_auth ics_auth_reversal ics_bill ics_ecp_debit Required for service fee transactions.	String (15)
<p>1 To add this value to your CyberSource account, contact CyberSource Customer Support.</p>			

Table 2 Request-Level Fields (Continued)

Field	Description	Used By: Required (R) or Optional (O)	Data Type & Length
service_fee_merchant_descriptor	<p>Name of the service provider that is collecting the service fee. The service provider name must consist of 3, 7, or 12 characters followed by an asterisk (*). This value must also include the words <i>Service Fee</i>. When you include more than one consecutive space, extra spaces are removed. Use one of the following formats for this value:</p> <ul style="list-style-type: none"> ■ <3-character name>*Service Fee ■ <7-character name>*Service Fee ■ <12-character name>*Service Fee <p>When payments are made in installments, this value must also include installment information such as <i>1 of 5</i> or <i>3 of 7</i>. For installment payments, use one of the following formats for this value:</p> <ul style="list-style-type: none"> ■ <3-character name>*Service Fee*<N> of <M> ■ <7-character name>*Service Fee*<N> of <M> ■ <12-character name>*Service Fee*<N> of <M> <p>where <N> is the payment number and <M> is the total number of payments.</p> <p>When you do not include this value in your request, CyberSource uses the value that is in your CyberSource account.¹</p> <p>This value might be displayed on the cardholder's statement.</p>	ics_auth (O) ics_bill (O)	String (22)
service_fee_merchant_descriptor_contact	<p>Contact information for the service provider that is collecting the service fee. when you include more than one consecutive space, extra spaces are removed.</p> <p>When you do not include this value in your request, CyberSource uses the value that is in your CyberSource account.¹</p> <p>This value might be displayed on the cardholder's statement.</p>	ics_auth (O) ics_bill (O)	String (11)

¹ To add this value to your CyberSource account, contact CyberSource Customer Support.

Table 2 Request-Level Fields (Continued)

Field	Description	Used By: Required (R) or Optional (O)	Data Type & Length
service_fee_merchant_descriptor_state	<p>State or territory in which the service provider is located.</p> <p>When you do not include this value in your request, CyberSource uses the value that is in your CyberSource account.¹</p> <p>This value might be displayed on the cardholder's statement.</p>	<p>ics_auth (O)</p> <p>ics_bill (O)</p>	String (20)

¹ To add this value to your CyberSource account, contact CyberSource Customer Support.

Offer-Level Field

Table 3 Offer-Level Field

Field	Description	Used By: Required (R) or Optional (O)	Data Type & Length
amount	<p>Per-item price of the product. This value cannot be negative. You can include a decimal point (.), but you cannot include any other special characters. CyberSource truncates the amount to the correct number of decimal places.</p>	<p>ics_service_fee_calculate (You must include either offer0 and this field, or the request-level field grand_total_amount in your request. For information about offers and grand totals, see Getting Started with CyberSource Advanced for the SCMP API.)</p>	Decimal (15)

Reply Fields

Table 4 Reply Fields

Field	Description	Returned By	Data Type & Length
currency	Currency used for the order. For the possible values, see the ISO Standard Currency Codes .	ics_service_fee_calculate	String (5)
ics_rcode	Indicates whether the entire request was successful. Possible values: <ul style="list-style-type: none"> ■ -1: An error occurred. ■ 0: The request was declined. ■ 1: The request was successful. 	ics_service_fee_calculate	Integer (1)
ics_rflag	One-word description of the result of the entire request. See the appendixes of reply flags in Credit Card Services Using the SCMP API and Electronic Check Services Using the SCMP API .	ics_service_fee_calculate	String (50)
ics_rmsg	Message that explains the reply flag ics_rflag . Do not display this message to the customer, and do not use this field to write an error handler.	ics_service_fee_calculate	String (255)
merchant_ref_number	Order reference or tracking number that you provided in the request. If you included multi-byte characters in this field in the request, the returned value might include corrupted characters.	ics_service_fee_calculate	String (50)
request_id	Identifier for the request generated by the client.	ics_service_fee_calculate	String (26)
request_token	Request token data created by CyberSource for each reply. The field is an encoded string that contains no confidential information such as an account or card verification number. The string can contain a maximum of 256 characters.	ics_service_fee_calculate	String (256)

Table 4 Reply Fields (Continued)

Field	Description	Returned By	Data Type & Length
service_fee_calculate_amount	Service fee.	ics_service_fee_calculate	Decimal (15)
service_fee_calculate_rcode	Indicates whether the service request was successful. Possible values: <ul style="list-style-type: none"> ■ -1: An error occurred. ■ 0: The request was declined. ■ 1: The request was successful. 	ics_service_fee_calculate	Integer (1)
service_fee_calculate_request_time	Time in UTC when the service was requested. See "Data Type Definitions," page 21 , for the format.	ics_service_fee_calculate	Date and time (20)
service_fee_calculate_rflag	One-word description of the result of the service request. See the appendixes of reply flags in Credit Card Services Using the SCMP API and Electronic Check Services Using the SCMP API .	ics_service_fee_calculate	String (50)
service_fee_calculate_rmsg	Message that explains the reply flag service_fee_calculate_rflag . Do not display this message to the customer, and do not use this field to write an error handler.	ics_service_fee_calculate	String (255)

Examples

Credit Card Examples

Example 1 Service Fee Calculate Request

```
ics_applications=ics_service_fee_calculate  
merchant_id=CyberVacations  
merchant_ref_number=482046C3A7E94F5BD1FE3C66C  
grand_total_amount=2325.00  
currency=USD  
customer_cc_number=4111111111111111
```

Example 2 Service Fee Calculate Reply

```
ics_rcode=1  
ics_rflag=SOK  
ics_rmsg=Request was processed successfully.  
merchant_ref_number=482046C3A7E94F5BD1FE3C66C  
request_id=0305782650000167905080  
service_fee_calculate_rcode=1  
service_fee_calculate_rflag=SOK  
service_fee_calculate_rmsg=Request was processed successfully.  
currency=USD  
service_fee_calculate_amount=30.00
```

Example 3 Credit Card Authorization Request

```

ics_applications=ics_auth
merchant_id=CyberVacations
merchant_ref_number=482046C3A7E94F5BD1FE3C66C
bill_address1=123 Arbor Rd.
bill_city=Tree Village
bill_state=CA
bill_zip=12345
bill_country=US
grand_total_amount=2325.00
currency=USD
customer_cc_expmo=12
customer_cc_expyr=2015
customer_cc_number=4111111111111111
customer_email=jsmith@example.com
customer_firstname=Jane
customer_lastname=Smith
customer_phone=123-456-7890
service_fee_amount=30.00
ignore_avs=yes
ignore_bad_cv=yes

```

Example 4 Credit Card Authorization Reply

```

ics_rcode=1
ics_rflag=SOK
ics_rmsg=Request was processed successfully.
merchant_ref_number=482046C3A7E94F5BD1FE3C66C
request_id=0305782650000167905080
auth_rcode=1
auth_rflag=SOK
auth_rmsg=Request was processed successfully.
auth_auth_amount=2325.00
currency=USD

```

Example 5 Credit Card Capture Request

```

ics_applications=ics_bill
merchant_id=CyberVacations
merchant_ref_number=482046C3A7E94F5BD1FE3C66C
auth_request_id=0305782650000167905080
grand_total_amount=2325.00
currency=USD
service_fee_amount=30.00
service_fee_merchant_descriptor=CyberVacations Service Fee
service_fee_merchant_descriptor_contact=800-999-9999
service_fee_merchant_descriptor_state=CA

```

Example 6 Credit Card Capture Reply

```

ics_rcode=1
ics_rflag=SOK
ics_rmsg=Request was processed successfully.
merchant_ref_number=482046C3A7E94F5BD1FE3C66C
request_id=1019827520348290570293
bill_rcode=1
bill_rflag=SOK
bill_rmsg=Request was processed successfully.
bill_bill_amount=49.95
currency=USD
bill_trans_ref_no=02850840187309570

```

Electronic Check Examples

Example 7 Service Fee Calculate Request

```

ics_applications=ics_service_fee_calculate
merchant_id=CyberVacations
merchant_ref_number=482046C3A7E94F5BD1FE3C66C
grand_total_amount=2325.00
currency=USD
ecp_account_no=12345678

```

Example 8 Service Fee Calculate Reply

```

ics_rcode=1
ics_rflag=SOK
ics_rmsg=Request was processed successfully.
merchant_ref_number=482046C3A7E94F5BD1FE3C66C
request_id=0305782650000167905080
service_fee_calculate_rcode=1
service_fee_calculate_rflag=SOK
service_fee_calculate_rmsg=Request was processed successfully.
currency=USD
service_fee_calculate_amount=30.00

```

Example 9 Electronic Check Debit Request

```
ics_applications=ics_ecp_debit
merchant_id=CyberVacations
merchant_ref_number=482046C3A7E94F5BD1FE3C66C
bill_address1=123 Arbor Rd.
bill_city=Tree Village
bill_state=CA
bill_zip=12345
bill_country=US
grand_total_amount=2325.00
currency=USD
ecp_account_no=12345678
ecp_account_type=C
ecp_rdfi=112200439
customer_email=jsmith@example.com
customer_firstname=Jane
customer_lastname=Smith
customer_phone=123-456-7890
service_fee_amount=30.00
```

Example 10 Electronic Check Debit Reply

```
ics_rcode=1
ics_rflag=SOK
ics_rmsg=Request was processed successfully.
merchant_ref_number=482046C3A7E94F5BD1FE3C66C
request_id=0305782650000167905080
ecp_debit_rcode=1
ecp_debit_rflag=SOK
ecp_debit_rmsg=Request was processed successfully.
ecp_debit_ref_no=02RYXSPGCQH60NWA
ecp_debit_result_code=123456
ecp_debit_settlement_method=A
ecp_debit_total_amount=2325.00
ecp_debit_verification_level=1
currency=USD
```
